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Table C1-1
Support Services Area RCRA SWMUs, AOCs and Other Investigation Areas

LBNL Unit Number	Unit Name	Current Status	Status Approval Date	Module Section or RFI Report Where Unit is Described
Units Described i	in This Report			Module Section
SWMU 3-6	B75 Hazardous Waste Handling Facility	NFI	4/21/2000 (DTSC, 2000b)	C3.1
SWMU 4-3	B76 Motor Generator Pool Collection Trenches and Sump	NFI	9/30/1998 (DTSC, 1998)	C3.2
SWMU 5-4	B77 Plating Shop Floor and Sump	NFA	7/5/1996 (DTSC, 1996b)	C3,3
AOC 4-1	B76 Former Gasoline UST	NFA	7/15/1997 (COB, 1997b)	C3.4
AOC 4-2	B76 Former Diesel UST	NFA	7/15/1997 (COB, 1997b)	C3.4
AOC 4-5	Solvents in Groundwater South of B76	(a)		C4.3.1
AOC 5-4	B77 Sanitary Sewer	NFA	9/30/1998 (DTSC, 1998)	C3.5
(c)	Chicken Creek Former Poultry Research Station			C3.6
(c)	Grizzly Electrical Substation			C3.7
<u> </u>				
Units Described i	n Prior Reports			Report
SWMU 3-1	B69A Hazardous Waste Handling Facility	NFA	9/14/1993 (DTSC, 1993a)	LBNL, 1992d
SWMU 3-2	B69 Former Waste Oil UST	NFA	9/14/1993 (DTSC, 1993a)	LBNL, 1992d
SWMU 3-3	B69 Waste Oil UST	NFA	7/29/1996 (COB, 1996a)	LBNL, 1994I
SWMU 3-4	B69 Former Scrap Yard and Drum Storage Area	NFA	9/3/1998 (DTSC, 1998)	LBNL, 1995k
SWMU 3-5	B69A Storage Area Sump	NFI	8/25/1997 (DTSC, 1997)	LBNL, 1994I
SWMU 3-8	B75D UCB Hazardous Waste Handling Facility	NFA	9/14/1993 (DTSC, 1993a)	LBNL, 1992d
SWMU 4-1	B76 Former Waste Oil AST	NFA	9/14/1993 (DTSC, 1993a)	LBNL, 1992d
SWMU 4-2	B76 Oil/Water Separator, Basin, and Sumps	NFA	7/5/1996 (DTSC, 1996b)	LBNL, 1994I
SWMU 4-4	B76 Present and Former Waste Accumulation Area #1	NFA	9/14/1993 (DTSC, 1993a)	LBNL, 1992d
SWMU 4-5	B76 Waste Accumulation Area #2	NFA	9/14/1993 (DTSC, 1993a)	LBNL, 1992d
SWMU 4-6	B76 Present and Former Waste Accumulation Area #3	NFI	7/5/1996 (DTSC, 1996b)	LBNL, 1994l
SWMU 4-7	B76 Paint Shop Waste Recovery Unit	NFA	4/6/1994 (DTSC, 1994a)	LBNL, 1992d
SWMU 4-8	B76 Paint Shop Sink	NFA	4/6/1994 (DTSC, 1994a)	LBNL, 1992d
SWMU 5-1	B42 Scrap Yard	NFA	5/18/1995 (DTSC, 1995)	LBNL, 1994I
SWMU 5-2	B77 Present Waste Water Pre-Treatment Unit	NFA	9/14/1993 (DTSC, 1993a)	LBNL, 1992d
SWMU 5-3	B77 Future Waste Water Pre-Treatment Unit	NFA	9/14/1993 (DTSC, 1993a)	LBNL, 1992d
SWMU 5-5	B77 Plating Shop Annex	NFA	4/6/1994 (DTSC, 1994a)	LBNL, 1992d
SWMU 5-6	B77 Waste Accumulation Area	NFA	7/5/1996 (DTSC, 1996b)	LBNL, 1995k
SWMU 5-7	B77G Waste Accumulation Area	NFA	7/5/1996 (DTSC, 1996b)	LBNL, 1992d
SWMU 5-8	B77 Coolant Recycling Unit	NFA	4/6/1994 (DTSC, 1994a)	LBNL, 1992d
SWMU 5-9	B77 Sand Blasting Room	NFA	5/18/1995 (DTSC, 1995)	LBNL, 1994I
SWMU 5-10	B77 Present and Former Yard Decontamination Areas	NFA	7/5/1996 (DTSC, 1996b)	LBNL, 1995k
AOC 3-1	B69A Hazardous Materials Storage and Delivery Area	NFA	4/6/1994 (DTSC, 1994a)	LBNL, 1992d
AOC 3-2	B69/75 Fire Drill Area	NFA	7/5/1996 (DTSC, 1996b)	LBNL, 1995k
AOC 4-3	B76 Present Gasoline UST	NFA	4/6/1994 (DTSC, 1994a)	LBNL, 1992d
AOC 4-4	B76 Present Diesel UST	NFA	4/6/1994 (DTSC, 1994a)	LBNL, 1992d
AOC 5-1	B31 Storage Area	NFA	4/6/1994 (DTSC, 1994a)	LBNL, 1992d
AOC 5-2	B77 Hazardous Materials Storage Area #1	NFA	4/6/1994 (DTSC, 1994a)	LBNL, 1992d
AOC 5-3	B77 Hazardous Materials Storage Area #2	NFA	7/5/1996 (DTSC, 1996b)	LBNL, 1995k
AOC 5-5	B77 Emergency Generator Pad	NFA	7/5/1996 (DTSC, 1996b)	LBNL, 1995k

NFI = No Further Investigation Status. Unit will be included in the site wide risk assessment.

NFA = No Further Action Status. Unit has been approved for exclusion from any additional RCRA corrective action process requirements.

Note: Radiological SWMUs and AOCs are not included in this table.

⁽a) = NFA or NFI status is not applicable to groundwater AOCs.

⁽b) = Area where soil samples were collected during the RFI that was not designated a SWMU or AOC.

Table C3-1 Soil Sampling Results Metals

(Concentrations in mg/kg)

Şb	As	Ba	Be	Cd	Cr	CrVI	Co	Cu	Pb	Hg	Мо	Ni	Se	Ag	TI	ν	Zn
5.5	19.1	323.6	1.0	2.7	99.6		22.2	69.4	16.1	0.4	7.4	119.8	5.6	1.8	7.6	74.3	106.1
31	0.39	5400	150	37	210	30	4700	2900	400	23	390	1600	390	390	6.3	550	23000
				9		0.2	·					150					
										-				•			
	5.5	5.5 19.1	5.5 19.1 323.6	5.5 19.1 323.6 1.0	5.5 19.1 323.6 1.0 2.7 31 0.39 5400 150 37	5.5 19.1 323.6 1.0 2.7 99.6 31 0.39 5400 150 37 210	5.5 19.1 323.6 1.0 2.7 99.6 31 0.39 5400 150 37 210 30	5.5 19.1 323.6 1.0 2.7 99.6 22.2 31 0.39 5400 150 37 210 30 4700	5.5 19.1 323.6 1.0 2.7 99.6 22.2 69.4 31 0.39 5400 150 37 210 30 4700 2900	5.5 19.1 323.6 1.0 2.7 99.6 22.2 69.4 16.1 31 0.39 5400 150 37 210 30 4700 2900 400	5.5 19.1 323.6 1.0 2.7 99.6 22.2 69.4 16.1 0.4 31 0.39 5400 150 37 210 30 4700 2900 400 23	5.5 19.1 323.6 1.0 2.7 99.6 22.2 69.4 16.1 0.4 7.4 31 0.39 5400 150 37 210 30 4700 2900 400 23 390	5.5 19.1 323.6 1.0 2.7 99.6 22.2 69.4 16.1 0.4 7.4 119.8 31 0.39 5400 150 37 210 30 4700 2900 400 23 390 1600	5.5 19.1 323.6 1.0 2.7 99.6 22.2 69.4 16.1 0.4 7.4 119.8 5.6 31 0.39 5400 150 37 210 30 4700 2900 400 23 390 1600 390	5.5 19.1 323.6 1.0 2.7 99.6 22.2 69.4 16.1 0.4 7.4 119.8 5.6 1.8 31 0.39 5400 150 37 210 30 4700 2900 400 23 390 1600 390 390	5.5 19.1 323.6 1.0 2.7 99.6 22.2 69.4 16.1 0.4 7.4 119.8 5.6 1.8 7.6 31 0.39 5400 150 37 210 30 4700 2900 400 23 390 1600 390 390 6.3	5.5 19.1 323.6 1.0 2.7 99.6 22.2 69.4 16.1 0.4 7.4 119.8 5.6 1.8 7.6 74.3 31 0.39 5400 150 37 210 30 4700 2900 400 23 390 1600 390 390 6.3 550 9 0.2 0.2 150 150 150 150

SWMU 3-6: Building 75 Former Hazardous Waste Handling and Storage Facility

0075 00 4 4	4.0	Jul-96	BC	<20		112		<2	83		4.5		- 40	1							
SB75-96-1-4		םפ-ונונ	ь		5.3		<2				16	38	<10	<0.2	<10	102	<2	<4	<20	57	72
SB75-96-1-9	9.0			<20	<2	117	<2	<2	129		26	44	<10	<0.2	<10	68	<2	<4	<20	109	59
SB75-96-1-14.2	14.2			<20	<2	133	<2	<2	112		17	44	<10	<0.2	<10	83	<2	<4	<20	82	79
SB75-96-1-19.3	19.3			<20	2.4	96	<2	<2	66		14	36	<10	<0.2	<10	91	<2	<4	<20	47	78
SB75-96-1-24.1	24.1			<20	4.0	145	<2	<2	76		15	41	<10	<0.2	<10	93	<2	<4	<20	49	82
SB75-96-1-29	29.0			<20	2.0	150	<2	<2	65		13	33	<10	0.24	<10	85	<2	<4	<20	44	97
SB75-96-2-4.7	4.7			<20	5.8	109	<2	<2	73		15	61	<10	<0.2	<10	95	<2	<4	<20	45	94
SB75-96-2-9.5	9.5			<20	9.6	146	<2	<2	В0		16	43	<10	<0.2	<10	111	<2	<4	<20	55	88
SB75-96-2-15.1	15.1			<20	<2	118	<2	<2	-113		20	38	<10	<0.2	<10	66	<2	<4	<20	94	46
SB75-96-2-20	20.0			<20	<2	125	<2	<2	120		22	43	<10	<0.2	<10	67	<2	<4	<20	91	55
S875-96-3-5.1	5.1			<20	5.8	109	<2	<2	77.		15	45	<10	<0.2	<10	111	<2	<4	<20	49	86
SB75-96-3-10.1	10.1			<20	4.2	127	<2	<2	173		23	126	<10	<0.2	<10	200	<2	<4	<20	74	118
SB75-96-3-15	15.0			<20	5.3	151	<2	<2	206		30	32	<10	< 0.2	<10	277	<2	<4	<20	78	57
SB75-96-3-19.5	19.5			<20	5.4	187	<2	<2	194		22	47	<10	<0.2	<10	234	<2	<4	<20	72	69
SB75-96-4-6-20.8Comp	20.8			<20	4.4	163	<2	<2	105		19	45	<10	<0.2	<10	157	<2	<4	<20	65	79
SB75A-96-1-3.8	3.8	Sep-96	BC	<10	1.9	129	<1	<1	114		20	35	<5	<0.2	<5	66	1.4	<2	<10	103	45
SB75A-96-1-12.5	12.5			<10	4.0	95	<1	<1	63		12	32	<5	<0.2	<5	75	<1	<2	<10	49	60
SB75A-96-1-17.8	17.8			<10	11.0	200	<1	<1	82		16	39	5.4	<0.2	<5	91	1.3	<2	<10	69	89
SB75A-96-1-22.5	22.5			<10	8.7	199	<1	<1	83		16	51	5.3	<0.2	<5	106	1.3	<2	<10	66	88
SB75AHW-97-1-1.0	1.0	Jul-97	BC	<10	4.5	116	<1	<1	56		13	29	5.3	<0.2	<5	55	<1	<2	<10	47	56
SB75AHW-97-1-3.0	3.0			<10	4.5	162	<1	1.0	113		24	61	6.4	<0.2	<5	138	<1	<2	<10	67	93
SB75AHW-97-2-1.1	1,1			<10	5.1	134	<1	<1	62		14	39	5.3	<0.2	<5	60	<1	<2	<10	62	69
SB75AHW-97-2-2.6	2.6			<10	3.5	65	<1	<1	43		13	38	<5	<0.2	<5	61	<1	<2	<10	42	56
SB75AHW-97-3-1.0	1.0			<10	4.6	138	<1.	<1	48		14	39	5.1	<0.2	<5	52	<1	<2	<10	51	84
SB75AHW-97-3-2.6	2.6			<10	3.3	83	<1	<1	47		13	29	7.2	<0.2	<5	52	<1	<2	<10	47	73
SB75AHW-97-4-1.0	1.0			<10	6.5	138	<1	<1	50		13	24	7.4	<0.2	<5	57	<1	<2	<10	60	56
SB75AHW-97-4-2.5	2.5			<10	2.3	41	<1	<1	27		12	39	5.7	<0.2	<5	35	<1	<2	<10	37	101
SB75AHW-97-5-1.0	1.0			<10	5.1	135	<1	<1	48		12	38	<5	<0.2	<5	52	<1	<2	<10	55	72
SB75AHW-97-5-2.8	2.8			<10	6.1	134	<1	<1	64		15	48	7.0	<0.2	<5	87	<1	<u>~2</u>	<10	47	71
SB75AHW-97-6-1.0	1.0			<10	2.0	84	<1	<1	68		9.9	31	<5	<0.2	<5	71	<1	<u>- ` </u>	<10	42	57
SB75AHW-97-6-2.9	2.9			<10	4.4	146	<1	<1	69		13	31	5.5	<0.2	<5	89	<1	<2	<10	45	65
SB75AHW-97-7-1.0	1.0			<10	4.2	153	<1	<1	99		17	26	<5	<0.2	<5	80	<1	<2	<10	79	50
SB75AHW-97-7-3.0	3.0			<10	4.9	152	<1	<1	75		14	37	<5	<0.2	<5	86	1.1	<2	<10	61	59
	'	I		,	,,,,,,,				<u> </u>	ł	, ,,		72	-U.E		00		<2	1 < 10		28

Table C3-1
Soil Sampling Results
Metals

				Sb	As	Ba	Be	Cd	Cr	CrVI	Co	Cu	Pb	Hg	Мо	Ni	Se	Αg	TI	v	Zn
Maximum Ba	ckground	d Concent	rations	5.5	19.1	323.6	1.0	2.7	99.6		22.2	69.4	16.1	0.4	7.4	119.8	5.6	1.8	7.6	74.3	106.1
	USEPA	Region 9	PRGs	31	0.39	5400	150	37	210	30	4700	2900	400	23	390	1600	390	390	6.3	550	23000
	California	Modified	PRGs					9		0.2						150					
	Depth																				
Sample ID	(ft)	Date	Lab				,														!
SB75AHW-97-8-1.0	1.0	Jul-97	BC	<10	4.7	152	<1	<1	152		28	68	<5	<0.2	<5	167	1.3	<2	<10	65	70
Soluble analyses										0.08						<0.5		·			
SB75AHW-97-8-3.2	3.2	_		<10	1.4	216	<1	<1	130		28	44	<5	<0.2	<5	77	1.1	<2	<10	108	44
SB75AHW-97-9-1.3	1.3	_		<10	5.9	132	<1	<1	55		13	50	5.9	<0.2	<5	61	<1	<2	<10	61	75
SB75AHW-97-9-3,0	3.0	ļ		<10	7.4	207	<1	<1	96		16	36	5.6	<0.2	<5	117	<1	<2	<10	63	70
SB75AHW-97-9-4.7	4.7	Sep-97	BC	<10	6.8	122	<1	<1	83		14	33	5.4	<0.2	<5	108	<1	<2	<10	53	57
SB75AHW-97-10-1.0	1.0	Jul-97	BC	<10	4.8	118	<1	<1	46		11	23	<5	<0.2	<5	52	<1	<2	<10	51	50
SB75AHW-97-10-3.0	3.0	1	ĺ	<10	4.5	128	<1	<1	177		27	34	5.9	<0.2	<5	272	<1	<2	<10	76	59
Soluble analyses		ļ	<u> </u>							<0.05						<0.5					
SS-75AHW10-98 REDO		Jul-98	BC						69	0.1						·					
SB75AHW-97-11-1.0	1.0	Jul-97	EC	<10	5.1	136	<1	<1	53		14	54	6.5	<0.2	<5	64	<1	<2	<10	61	65
SB75AHW-97-11-2.5	2.5	1		<10	5.5	148	<1	<1	49		20	60	6.5	<0.2	<5	70	<1	<2	<10	55	67
SB75AHW-97-12-1.0	1.0	1		<10	4.6	119	<1	<1	51		12	45	5.0	<0.2	<5	52	<1	<2	<10	49	57
SB75AHW-97-12-2.8	2.8	1	•	<10	3.8	87	<1	<1	54		18	37	5.5	<0.2	<5	59	<1	<2	<10	50	59
SB75AHW-97-12-3.2	3.2			<10	4.9	104	<1	<1	58		15	46	6.3	0.27	<5	78	<1	<2	<10	53	75
SB75AHW-97-13-1.0	1.0	Mar-98	ВC	<5	4.2	139	0.55	<0.5	46		11	29	9.6	<0.2	<2.5	46	<0.5	<1	<5	52	48
SB75AHW-97-13-2.8	2.8			<10	7.0	131	<1	<1	91		17	40	13	<0.2	<5	106	<1	<2	<10	67	76
SB75AHW-97-14-1.1	1.1]		<5	3.3	37	<0.5	<0.5	29		6.3	12	5.8	<0.2	<2.5	31	<0.5	<1	<5	24	26
SB75AHW-97-14-3	3.0	j		<10	6.3	118	<1	<1	77		14	45	10	<0.2	<5	91	<1	<2	<10	54	67
SB75AHW-97-15-1.2	1.2		l	<5	4.5	110	0.61	<0.5	45		12	25	9.8	<0.2	<2.5	52	<0.5	<1	<5	47	40
SB75AHW-97-15-3.2	3.2			<10	2.8	181	<1	<1	91		15	37	20	<0.2	<5	100	1.1	<2	<10	62	68
SB75EHW-97-1-1	1.0	Aug-97	BC	<10	9.1	176	<1	<1	75		15	34	5.0	<0.2	<5	107	<1	<2	<10	55	65
SB75EHW-97-1-3.5	3.5	1		<10	9.0	306	<1	<1	155		16	59	<5	<0.2	<5	146	<1	<2	<10	68	66
SB75EHW-97-1-4.3	4.3	Sep-97	BC	<10	14	198	<1	<1	95		19	39	8.1	<0.2	<5	154	<1	<2	<10	57	80
SB75EHW-97-2-1.1	1.1	Aug-97	BC.	<10	4.9	118	<1	<1	66		16	47	<5	<0.2	<5	82	<1	<2	<10	48	67
SB75EHW-97-2-3.5	3.5	1		<10	8.5	196	<1	<1	140		19	34	<5	<0.2	<5	217	<1	<2	<10	59	62
SB75EHW-97-2-5	5.0	Sep-97	BC	<10	10	199	<1	<1	113		18	48	5.3	<0.2	<5	189	<1	<2	<10	50	64
SB75EHW-97-3-1.1	1.1	Aug-97	BC	<10	4.7	117	<1	<1	74		14	36	<5	0.3	<5	85	<1	<2	<10	57	78
SB75EHW-97-3-2.8	2.8	1		<10	6.4	200	<1	<1	216		18	37	<5	<0.2	<5	181	<1	<2	<10	81	59
SS-75EHW3-98		Jul-98	BC						208	<0.1									 	-	
SB75FLHW-97-1-0.5	0.5	Aug-97	BC	<10	8.7	165	<1	<1	99		19	51	20	<0.2	<5	148	<1	<2	<10	61	101
SB75FLHW-97-1-3.8	3.8	1		<10	6.7	347	<1	<1 '	99 (15	38	<5	0.22	<5	110	<1	<2	<10	55	66
SB75FLHW-97-2-0.5	0.5	1	-	<10	7,6	276	<1	<1	72		13	45	7.3	<0.2	<5	100	<1	<2	<10	56	84
SB75FLHW-97-2-3	3.0	1	[<10	10	363	<1	<1	73		16	37	7.8	<0.2	<5	102	<1	<2	<10	53	80
SB75FLHW-97-3-0.5	0.5	1	Ī	<10	7.1	230	<1	<1	80		17	49	8.6	<0.2	<5	101	<1	<2	<10	60	89

Table C3-1 Soil Sampling Results Metals

				Sb	As	Ba	Be	Cd	Cr	CrVI	Co	Cu	Pb	Hg	Mo	NI	Se	Aq	TI	v	Zn
Maximum Ba	ckground	d Concent	rations	5.5	19.1	323.6	1.0	2.7	99.6		22.2	69.4	16.1	0.4	7.4	119.8	5.6	1.8	7.6	74.3	106.1
	USEPA	Region 9	PRGs	31	0.39	5400	150	37	210	30	4700	2900	400	23	390	1600	390	390	6.3	550	23000
	California	Modified	PRGs					9		0.2						150					
	Depth																		•		·····
Sample ID	(ft)	Date	Lab					,			,			********							
SB75FLHW-97-3-3.2	3.2	Aug-97	BC	<10	7.1	292	<1	<1	82		17	40	8.3	<0.2	<5	109	<1	<2	<10	60	79
SB75FLHW-97-4-0.5	0.5			<10	6.7	222	<1	<1	82		16	46	12	<0.2	<5	91	<1	<2	<10	64	107
SB75FLHW-97-4-2.6	2.6]		<10	6.8	249	<1	<1	96		17	39	6.9	<0.2	<5	112	<1	<2	<10	65	77
SB75JHW-97-1-1.8	1.8			<10	6.0	183	<1	<1	88		15	40	5.3	<0.2	<5	105	<1	<2	<10	58	64
SB75JHW-97-2-1.3	1.3	Sep-97	BC	<10	6.4	155	<1	<1	75		14	39	<5	<0.2	<5	93	<1	<2	<10	49	57
SB75LYHW-97-1-0.8	8.0	Aug-97	BC	<10	8.6	143	<1	<1	103		20	40	5.9	<0.2	<5	150	1.1	<2	<10	59	74
SB75LYHW-97-1-2.8	2.8]		<10	8.9	160	<1	<1	93		18	45	6.4	<0.2	<5	127	1.1	<2	<10	68	77
SB75LYHW-97-2-1.2	1.2			<10	4.4	84	<1	<1	242		20	71	<5	<0.2	<5	269	<1	<2	<10	53	80
SB75LYHW-97-2-3.7	3.7			<10	7.5	114	<1	<1	101		17	45	<5	<0.2	<5	176	<1	<2	<10	51	66
SS75LYHW2-98 REDO		Jul-98	BC						116	< 0.1										<u> </u>	
SB75LYHW-97-3-1	1.0	Aug-97	BC	<10	4.5	132	<1	<1	67		13	49	<5	<0.2	<5	88	<1	<2	<10	47	80
SB75LYHW-97-3-2.5	2.5			<20	9.3	167	<2	<2	75		17	35	<10	<0.2	<10	130	<2	<4	<20	48	62
SB75LYHW-97-4-1.2	1.2			<10	6.4	177	<1	<1	82		20	39	6.0	<0.2	<5	111	<1	<2	<10	56	69
SB75LYHW-97-4-2	2.0			<10	3.3	71	<1	<1	61		12	31	<5	<0.2	<5	94	<1	<2	<10	33	50
SB75LYHW-97-5-1	1.0			<10	6.5	94	<1	<1	82		15	41	5.3	<0.2	<5	110	<1	<2	<10	50	68
SB75LYHW-97-5-2.7	2.7			<10	8.1	161	<1	<1	В4		16	41	5.2	<0.2	<5	106	<1	<2	<10	64	70
SB75LYHW-97-6-0.7	0.7			<10	6.2	108	<1	<1	72		14	38	<5	<0.2	<5	98	<1	<2	<10	49	69
SB75LYHW-97-6-2.8	2.8			<10	6.6	123	<1	<1	79		16	53	8.2	<0.2	<5	108	<1	<2	<10	53	84
SB75YHW-97-1-0.5	0.5]		<10	4.0	125	<1	<1	50		11	42	<5	<0.2	<5	69	<1	<2	<10	39	67
SB75YHW-97-1-3.2	3.2			<10	6.2	170	<1	<1	85		15	48	6.0	<0.2	<5	95	<1	<2	<10	64	84
SB75YHW-97-2-0.8	0.8]		<10	6.7	195	<1	<1	76		15	43	6.2	<0.2	<5	98	<1	<2	<10	58	70
SB75YHW-97-2-3	3.0			<10	4.8	126	<1	<1	77		14	49	5.8	<0.2	<5	94	<1	<2	<10	42	77
SB75YHW-97-3-0.8	0.8			<10	7.3	299	<1	<1	93		17	42	6.0	<0.2	<5	123	<1	<2	<10	55	73
SB75YHW-97-3-3	3.0			<10	4.8	77	<1	<1	46		8.6	19	<5	<0.2	<5	49	<1	<2	<10	33	40
SB75YHW-97-4-0.7	0.7			<10	11	221	<1	<1	92		17	44	6.7	<0.2	<5	137	1.2	<2	<10	53	79
SB75YHW-97-4-2.8	2.8			<10	9.8	392	<1	<1	100		17	46	6.3	<0.2	<5	124	<1	<2	<10	66	77
SB75YHW-97-5-0.8	0.8			<10	5.6	154	<1	<1	72		15	49	5.4	<0.2	<5	101	1.0	<2	<10	50	79
SB75YHW-97-5-3	3.0]		<10	9.2	316	<1	<1	80		16	54	5.8	<0.2	<5	119	<1	<2	<10	49	79
SB75YHW-97-6-2	2.0	1		<10	4.5	16	<1	<1	30		6.8	8.0	<5	<0.2	<5	28	<1	<2	<10	21	21
SB75YHW-97-6-3.2	3.2			<10	4.7	32	<1	<1	31		6.6	16	<5	<0.2	<5	35	<1	<2	<10	22	27
SB75YHW-97-7-1.2	1.2]		<10	7.2	190	<1	<1	75		16	43	5.9	<0.2	<5	107	1.3	<2	<10	51	78
SB75YHW-97-7-3	3.0]		<10	15	170	<1	<1	114		19	55	6.8	<0.2	<5	158	1.4	<2	<10	58	83
SB75YHW-97-8-1.3	1.3	1	İ	<10	9.2	147	<1	<1	101		16	53	6.1	<0.2	<5	128	1.1	<2	<10	58	79
SB75YHW-97-8-3.5	3.5	1		<10	10	164	<1	<1	90		20	37	6.7	<0.2	<5	143	1.2	<2	<10	54	70
SB75YHW-97-8-4.3	4.3	Sep-97	BC	<10	18	258	<1	<1	108		17	36	5.8	<0.2	<5	178	<1	<2	<10	47	63
S875YHW-97-8-5.4	5.4]		<10	10	182	<1	<1	204		19	32	<5	<0.2	<5	216	<1	~2	<10	69	54

ModuleC Soil Metals 9/22/00

Table C3-1 Soil Sampling Results Metals

				Sb	As	Ba	Be	Cd	Cr	CrVI	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	TI	٧	Zn
Maximum Bac				5.5	19.1	323.6	1.0	2.7	99.6		22,2	69.4	16.1	0.4	7.4	119.8	5.6	1.8	7.6	74.3	106.1
	USEPA	Region 9	PRGs	31	0.39	5400	150	37	210	30	4700	2900	400	23	390	1600	390	390	6.3	550	23000
C	alifornia	Modified	PRGs					9		0.2						150					
	Depth																				***************************************
Sample ID	(ft)	Date	Lab						·		,										
SB75YSWR-97-1-2.6	2.6	Oct-97	BC	<20	7.4	258	<2	<2	65		17	34	<10	0.24	<10	95	<2	<4	<20	56	68
SB75YSWR-97-1-3.6	3.6	_		<10	14	293	<1	<1	93		17	54	6.3	<0.2	<5	156	1.5	<2	<10	54	82
SB75YSWR-97-2-2.5	2.5	1		<10	9.5	188	<1	<1	131		16	45	<5	<0.2	<5	121	<1	<2	<10	65	71
SB75YSWR-97-2-3.5	3.5			<10	8.3	165	<1	<1	90		17	71	6.7	<0.2	<5	114	1.3	<2	<10	57	86
SB75A-99-38Comp		Dec-99	EC	<5	3.5	120	<0.5	<0.5	100		13	30	3	0.28	<2.5	140	<2.5	<4	<5	55	42
MW75-96-20-5.2	5.2	Oct-96	BC	<0.9	<1	8.4	<0.5	<1	<1		<5	<1	<5	<0.2	<4	<5	<1	<0.4	<4	1.8	<5
MW75-96-20-11	11.0	Feb-97	EC	<10	3.2	161	<1	<1	107	<0.1	21	24	<5	<0.2	<5	61	<1	<2	<10	90	48
MW75-96-20-20.5	20.5			<10	11	152	<1	<1	71		14	31	5.0	<0.2	<5	85	<1	<2	<10	54	66
MW75-96-20-30.5	30.5			<10	6.3	206	<1	<1	72		15	37	6.1	<0.2	<5	89	<1	<2	<10	55	70
MW75-96-20-40.2	40.2			<10	2.9	167	<1	<1	60		12	25	<5	<0.2	<5	62	<1	<2	<10	57	53
MW75-96-20-50.8	50.8			<10	6.9	242	<1	<1	83		16	46	7.5	<0.2	<5	91	<1	<2	<10	53	68
MW75-98-14Comp		Sep-98	BC	<10	7.3	231	<1	<1	113	0.3	18	39	9.2	<0.2	<5	166	<1	<2	<10	64	67
MW75-98-15Comp				<20	6.5	356	<2	<2	93		16	41	<10	<0.2	<10	142	<2	<8	<20	62	63
MW75-99-4-3.0	3.0	Jul-99	BC	<10	10	123	<1	<1	117	<0.1	17	32	<5	<0.2	<5	168	<1	<2	<10	57	60
MW75-99-4-3.0 (WET TEST)	3.0								<0.1mg/L							<0.5mg/L					
MW75-99-4-4.5	4.5			<10	17	114	<1	<1	97		17	30	5	<0.2	<5	154	1,1	<2	<10	60	66
MW75-99-4-6.5	6.5]		<10	12	140	<1	<1	97		17	30	<5	<0.2	<5	192	1.2	<2	<10	63	63
MW75-99-4-9.2	9.2			<10	5.5	307	<1	<1	97		17	34	<5	<0.2	<5	154	<1	<2	<10	56	57
MW75-99-4-13.5	13.5			<10	2.3	291	<1	<1	86		14	36	<5	<0.2	<5	120	<1	<2	<10	56	55
MW75-99-4-18.8	18.8			<10	6.4	226	1.0	<1	74		14	34	5.3	<0.2	<5	132	1.3	<2	<10	71	74
MW75-99-4-28.5	28.5	}		<10	1.2	98	<1	<1	121		13	27	<5	<0.2	<5	154	1.0	<2	<10	52	49
MW75-99-4-33.7	33.7			<10	1.7	149	< 1	<1	113		13	24	<5	<0.2	<5	142	<1	<2	<10	63	43
BS-MW75-99-6-Comp]	Nov-99	BC	<25	9.3	340	<2.5	<2.5	91		18	34	<12	<0.2	<12	150	<2.5	<5	<25	68	74
BS-MW75-99-7-Comp		Nov-99	BC	<5	3.6	180	0.56	<0.5	70		20	38	4.1	<0.2	<2.5	110	<2.5	<1	<5	59	54
BS-MW75-99-8-Comp		Dec-99	BC	<10	12.0	290	<1	<1	91		15	100	5.8	<0.2	<5	130	<2	<2	<10	82	93
MW91-4-S1	5.0	Nov-91	a	<2	1	150	0.6	<0.2	74		15	35	14	<0.2	<0.6	100	<2	<0.2	10	57	67
MW91-4-S2	10.0]		<2	2	140	0.7	<0.2	88		16	48	16	<0.2	<0.6	97	<2	<0.2	14	62	84
MW91-4-S3	18.5			<2	<1	220	0.8	<0.2	85		19	26	14	<0.2	<0.6	76	<2	<0.2	11	71	49
MW91-4-S4	23.5			<2	1	140	0.8	<0.2	77		17	29	16	<0.2	<0.6	96	<2	<0.2	16	62	77
MW91-4-S5	34.5	_		<2	1	220	0.7	0.3	62		15	29	15	<0.2	<0.6	100	<2	<0.2	4	48	68
MW91-4-S6	44.5			<2	<1	170	0.6	0.3	60		15	36	13	<0.2	<0.6	88	<2	<0.2	10	42	70
MW91-4-S7	54.5	1		<2	<1	240	0.6	<0.2	65		14	30	13	<0.2	<0.6	84	<2	<0.2	4	53	66

Table C3-1 Soil Sampling Results Metals

(Concentrations in mg/kg)

	Sb	As	Ba	Be	Cd	Cr	CrVI	Co	Cu	Pb	Hg	Мо	Ni	Se	Ag	TI	V	Zn
Maximum Background Concentrations	5.5	19.1	323.6	1.0	2.7	99.6		22.2	69.4	16.1	0.4	7.4	119.8	5.6	1.8	7.6	74.3	106.1
USEPA Region 9 PRGs	31	0.39	5400	150	37	210	30	4700	2900	400	23	390	1600	390	390	6.3	550	23000
California Modifled PRGs					9		0.2						150					
Depth																.,		
Sample ID (ft) Date Lab																		

SWMU 4-3: Building 76 Motor Pool Collection Trenches
AOC 4-1, 4-2: Building 76 Former Diesel and Gasoline USTs

SS76-94-01-6	6	Juл-94	BC	<5	3.4	94	<0.5	<0.5	42		9	44	8.1	<0.2	<2.5	51	<0.5	<1	<5	40	66
SS76-94-01-11	11			<5	1,9	66	<0.5	<0.5	111		21	51	4.4	<0.2	<2.5	161	<0.5	<1	<5	65	64
SS76-94-01-18	18]		<5	3.4	89	<0.5	<0.5	81		16	72	6.7	<0.2	<2.5	118	<0.5	<1	<5	55	82
SS76-94-01-21	21]		<5	0.95	94	<0.5	0.54	56		15	49	4.9	<0.2	<2.5	73	<0.5	<1	<5	46	67
SS76-94-02-6	6	1		<5	6.1	70	<0.5	<0.5	30		7.5	25	11	<0.2	<2.5	55	<0.5	<1	<5	20	56
SS76-94-02-16	16	1		<5	0.75	76	<0.5	<0.5	55		12	44	4.6	<0.2	<2.5	74	<0.5	<1	<5	49	67
SS76-94-02-20.5	20.5	1		<5	2.9	90	<0.5	<0.5	56		11	51	4.6	<0.2	<2.5	68	<0.5	<1	<5	40	65
SS76-94-03-5	5]		<5	1.6	120	<0.5	<0.5	110		24	53	4.5	<0.2	<2.5	156	<0.5	<1	<5	98	63
SS76-94-03-10	10]		<5	2.2	98	<0.5	<0.5	243		26	45	5.2	<0.2	<2.5	262	<0.5	<1	<5	75	59
SS76-94-03-15.5	15.5			<5	1.8	98	<0.5	<0.5	151		20	39	4.1	<0.2	<2.5	188	<0.5	<1	<5	63	59
SS76-94-03-20.5	20.5			<5	3.2	108	<0.5	<0.5	84		16	38	4.0	<0.2	<2.5	103	<0.5	<1	<5	50	63
SB76-95-1-11	11	Jun-95	BC.	<5	1.9	104	0.50	<0.5	113		19	40	4.6	<0.2	<2.5	165	<0.5	<1	<5	65	54
SB76-95-1-21	21			<5	3.0	109	<0.5	0.55	62		12	43	5.9	<0.2	<2.5	79	<0.5	<1	<5	36	60
SB76-95-2-10.4	10.4			<5	2.4	56	<0.5	<0.5	253	ND.	22	50	<2.5	<0.2	<2.5	294	<0.5	<1	7.1	81	60
SB76-95-2-20.7	20.7			<5	16	102	<0.5	<0.5	54		13	40	3.6	<0.2	<2.5	78	<0.5	<1	5.4	38	61
SB76-95-3-10.5	10.5			<5	1.8	64	<0.5	<0.5	77		16	30	5.0	<0.2	4.6	98	<0.5	<1	<5	50	51
SB76-95-3-20.7	20.7			<5	0.79	69	<0.5	<0.5	45		11	33	5.4	<0.2	<2.5	72	<0.5	<1	<5	29	57
SB76-95-4-10.3	10.3			<5	0.72	77	<0.5	<0.5	87		16	29	3.6	<0.2	<2.5	96	<0.5	<1	<5	59	46
SB76-95-4-15.6	15.6			<5	2.4	117	<0.5	<0.5	98		13	41	5.3	<0.2	<2.5	171	<0.5	<1	<5	42	60

AOC 4-1, 4-2: Building 76 Former Diesel and Gasoline USTs

BS76-92-25-5.5	5.5	Sep-92	С	<1	12	81	0.17	<0.05	47	14	34	2	<0.05	1	24	3	<0.25	<2	33	51
BS76-92-25-16	16			1.6	6.9	71	0.37	<0.05	26	9.4	26	2	<0.05	<0.25	67	2	<0.25	<2	21	110
BS76-92-25-26	26			<1	7.5	190	0.14	< 0.05	48	10	39	2.3	< 0.05	<0.25	82	0.6	< 0.25	<2	26	55
B576-92-25-36	36	:		<1	7.1	110	0.16	2.5	42	10	27	2.5	0.06	0.35	66	<0.5	<0.25	<2	27	67
BS76-93-7-5.5	5.5	Aug-93	С	3.0	<0.25	30	0.10	2.1	49	15	34	<0.5	0.06	3.2	130	<0.5	1.0	<2	21	26
BS76-93-7-15.5	15.5			<1	<0.25	54	0.28	3.0	38	8.8	42	<0.5	0.06	3.7	130	<0.5	1.1	<2	42	58
BS76-93-7-26	26]		<1	5.0	120	0.29	4.0	43	16	58	5.4	0.12	3.3	91	<0.5	2.0	<2	49	66
BS76-93-7-35.5	35.5			3.1	13	180	0.36	2.9	34	 13	25	<0.5	<0.05	5.7	68	<0.5	1.8	<u>-2</u>	20	43

Table C3-1 Soil Sampling Results Metals

				Sb	As	Ba	Be	Cd	Cr	CrVI	Co	Cu	Pb	Hg	Mo	Ni	Se	Aq	Ti	V	Zn
Maximum B	ackground	Concent	rations	5.5	19.1	323.6	1.0	2.7	99.6		22.2	69.4	16.1	0.4	7.4	119.8	5.6	1.8	7.6	74.3	106.1
	USEPA	Region 9	PRGs	31	0.39	5400	150	37	210	30	4700	2900	400	23	390	1600	390	390	6.3	550	23000
	California	Modified	PRGs					9		0.2						150		***************************************			-
1	Depth																				
Sample ID	(ft)	Date	Lab																		
BS-W76-97-3-16-36comp	16-36	Feb-97	BC	<10	8.2	118	<1	<1	120	<0.1	20	34	5.8	<0.2	<5	187	<1	<2	<10	60	81
BS-W76-97-4-16-38.5comp	16-38.5			<10	3.1	124	<1	<1	128	<0.1	19	36	<5	<0.2	<5	152	<1	<2	<10	77	60

SWMU 5-4: Building 77 Plating Shop Floor and Sump

BS77Plate-94-01-2	2	Jun-94	BC	<5	7.4	166	0.62	< 0.5	63		17	27	7.5	<0.2	<2.5	90	<0.5	<1	<5	56	100
BS77Plate-94-01-6.5	6.5	1		<5	7.6	199	0.61	<0.5	76		15	43	7.5	<0.2	<2.5	88	<0.5	<1	<5	56	86
BS77Plate-94-01-10.5	10.5	1		<5	8.7	608	0.56	<0.5	74		15	44	7.1	<0.2	<2.5	91	<0.5	<1	<5	54	89
BS77Plate-94-02-1	1			<5	6.8	162	0.53	<0.5	87		16	44	6.8	<0.2	<2.5	95	<0.5	< 1	<5	54	81
BS77Plate-94-02-3	3			<5	7.1	470	<0.5	<0.5	72		13	65	6.6	<0.2	<2.5	87	<0.5	<1	<5	51	91
BS77Plate-94-02-6	6			<5	7.1	261	<0.5	< 0.5	72		14	48	5.9	<0.2	<2.5	98	<0.5	<1	<5	45	90
BS77Plate-94-02-8	8]		<5	8.9	320	<0.5	< 0.5	. 70		13	39	5.7	3.7	<2.5	83	2.3	<1	<5	47	87
BS77Plate-94-03-1	1]		<5	3.3	267	0.69	< 0.5	52		8.5	244	5.7	<0.2	<2.5	50	<0.5	<1	<5	40	158
BS77Plate-94-03-3	3]		<5	15.0	94	0.58	<0.5	61		16	46	7.7	<0.2	<2.5	86	<0.5	<1	<5	58	88
BS77Plate-94-03-6	6			<5	8.5	137	0.58	<0.5	72		14	31	7.5	<0.2	<2.5	82	<0.5	<1	<5	59	82
BS77Plate-94-03-8	8]		<5	6.6	175	<0.5	<0.5	71		12	31	5.0	<0.2	<2.5	73	<0.5	<1	<5	50	69
BS77Plate-94-04-1	1]		<5	5.2	169	<0.5	<0.5	56		12	33	4.8	<0.2	<2.5	81	<0.5	<1	<5	49	71
BS77Plate-94-04-3	3]		<5	6.4	103	0.58	<0.5	78	•	14	45	6.9	<0.2	<2.5	89	<0.5	<1	<5	53	83
BS77Plate-94-04-6	-6]		<5	7.1	118	0.58	<0.5	78		15	43	7.5	<0.2	<2.5	91	<0.5	<1	<5	57	86
BS77Plate-94-04-8	- 8]		<5	6.9	192	0.54	<0.5	75		14	32	6.6	<0.2	<2.5	88	<0.5	<1	<5	52	75
BS77Plate-94-05-1	1]		<5	1.9	111	<0.5	<0.5	93		19	42	<2.5	<0.2	<2.5	41	<0.5	<1	<5	80	43
BS77Plate-94-05-3	3]		<5	2.3	171	0.52	<0.5	77		22	80	3.2	<0.2	<2.5	57	<0.5	<1	<5	70	100
BS77Plate-94-05-6	- 6			<5	5.8	84	<0.5	<0.5	61		13	35	5.5	<0.2	<2.5	82	<0.5	<1	<5	46	77
BS77Plate-94-05-9	9			<5	7.6	133	0.56	<0.5	74		15	36	6.8	<0.2	<2.5	95	<0.5	<1	<5	57	81
SS-77PIExc-98-1-1.8	1.8	Dec-98	BC	<10	6.7	135	<1	<1	74	0.9	15	35	13	<0.2	<5	95	<1	<2	<10	53	65
SS-77PIExc-98-2-2	2			<10	8.7	273	<1	<1	70	0.1	13	32	9.8	<0.2	<5	102	<1	<2	<10	52	79
SS-77-99-1-1.7	1.7	Dec-99	BC	<5	0.9	13	0.58	<0.5	4.0		<2.5	4.6	<2.5	<0.2	<2.5	6.4	<0.5	<1	<5	4.2	9.4
SS-77-99-3-1.7	1.7]		<10	1.0	92	<1	<1	67		20	42	<5	<0.2	<5	72	<2	<2	<10	79	57
SS-77-99-4-1.6	1.6]		<5	9.1	87	0.93	<0.5	25		4.7	20	5.1	<0.2	<2.5	36	<1	<1	<5	19	35
SS-77-99-5-1.7	1.7			<5	5.2	94	0.96	<0.5	61		13	46	5.5	<0.2	<2.5	82	<0.5	<1	<5	57	64
SS-77-00-2-1.4	1.4	Арг-00	BC	<5	2.7	42	<0.5	<0.5	36		17	54	<2.5	<0.2	3.1	47	0.5	<1	<5	74	32
SS-77-00-3-1.5	1.5	<u> </u>		<5	4.4	99	<0.5	.<0.5	37		11	28	7.1	<0.2	<2.5	46	<0.5	<1	<5·	44	42
SS-77-00-4-1.5	1.5			<10	3.0	46	<1	1.4	41	1	13	37	7.0	<0.2	<5	55	<1	<2	<10	43	56
SS-77-00-5-1.3	1.3]		<10	4.0	100	<1	1.7	85		12	46	5.1	<0.2	<5	92	<1	<2	<10	50	63
SS-77-00-6-1.5	1.5			<10	6.2	230	<1	<1	74		16	37	5.8	<0.2	<5	100	<1	<2	<10	50	67
SS-77-00-7-1.8	1.8			<10	5.5	240	<1	<1	81		17	В1	<5	<0.2	<5	120	<1	<2	<10	62	88

Table C3-1 Soil Sampling Results Metals

				Sb	As	Ba	Be	Cd	Cr	CrVI	Co	Cu	Pb	Hg	Mo	NI	Se	Ag	TI	V	Zn
Maximum	Background	d Concent	rations	5.5	19.1	323.6	1.0	2.7	99.6		22.2	69.4	16.1	0.4	7.4	119.8	5.6	1.8	7.6	74.3	106.1
	USEPA	Region 9	PRGs	31	0.39	5400	150	37	210	30	4700	2900	400	23	390	1600	390	390	6,3	550	23000
	California	Modified	PRGs					9		0.2						150					
	Depth																•		-		
Sample ID	(ft)	Date	Lab																		
SS-77-00-8-1.8	1.8	Apr-00	BC	<10	3.6	270	<1	<1	83		19	73	5.4	<0.2	<5	130	< 1	<2	<10	53	84
SS-77-00-9-1.9	1.9			<10	9.5	230	<1	<1	68		15	33	5.8	<0.2	<5	96	<1	<2	<10	55	95
SS-77-00-11-1.4	1.4			<10	1.3	120	<1	<1	77		15	54	5.5	<0.2	<5	120	<1	<2	<10	51	66
SS-77-00-10-1.5	1.5		1	<10	4.0	160	1.0	1.7	78		14	37	7.1	<0.2	<5	96	<1	<2	<10	63	66

AOC 5-4: Building 77 Sanitary Sewer System

		1						,					,								
SS77E-3-6.5	6.5	Feb-92	Q	<2	4.0	75	0.5	<0.2	66		12	21	8	<0.2	< 0.6	74	<2	0.5	<2	42	41
BS79-1-15.5	1.8	Aug-92	C	1,3	0.6	85	<0.05	0.67	76		12	29	21	<0.05	<0.25	93	<0.5	<0.25	<2	38	130
BS79-2-11.5	11.5			<1	3.5	35	<0.05	0.19	47		7.3	14	7.8	0.05	<0.25	38	0.62	<0.25	<2	26	38
BS79-2-18	18			<1	0.89	94	<0.05	0.99	72		17	32	8.7	0.26	<0.25	140	<0.5	<0.25	<2	30	94
MW91-1-5	5	May-91	MT	<2	3	48	0.3	<0.2	45	<5	17	13	3	<0.2	<0.6	27	<2	<0.2	<3	33	40
MW91-1-10	10			<2	4	110	0.5	<0.2	42	<5	8.4	14	7	<0.2	<0.6	51	<2	<0.2	<3	25	42
MW91-1-15	15			<2	2	73	0.6	<0.2	58	<5	13	31	6	<0.2	<0.6	82	<2	<0,2	<3	54	56
MW91-1-20	20			<2	2	290	0.7	<0.2	63	<5	17	20	9	<0.2	< 0.6	96	<2	<0.2	<3	46	68
MW91-1-25	25			<2	2	120	0.5	<0.2	57	<5	13	25	6	<0.2	< 0.6	88	<2	<0.2	<3	39	52
MW91-1-31.5	31.5		ŀ	<20	4	170	0.7	<2	87	<5	16	63	<20	<0.2	<0.6	110	<2	<0.2	<30	51	140
MW91-1-35	35			<2	5	140	0.7	<0.2	66	<5	15	31	7	<0.2	<0.6	98	<2	<0.2	<3	36	58
MW91-1-39.5	39.5			<2	6	57	0.5	<0.2	72	<5	13	26	4 .	<0.2	<0.6	90	<2	<0.2	<3	38	48
MW91-2-5	5	May-91	МТ	<2	3	76	0.6	<0.2	56		20	30	4	<0.2	<0.6	29	<2	<0.2	<3	45	51
MW91-2-10	10			<2	3	72	0.6	<0.2	64		19	19	7	<0.2	<0.6	36	<2	<0.2	<3	59	104
MW91-2-15	15			<2	3	130	0.5	<0.2	65		14	29	7	<0.2	<0.6	80	<2	<0.2	<3	47	93
MW91-2-20	20			<2	2	130	0.6	<0.2	58		15	26	8	<0.2	<0.6	68	<2	<0.2	3	53	28
MW91-2-30.5	30.5			<2	<1	140	0.6	<0.2	59		15	26	. 7	<0.2	<0.6	77	<2	<0.2	5	47	35
MW91-2-35.5	35,5			<2	1	100	0.5	<0.2	53		13	28	8	<0.2	<0.6	77	<2	<0.2	4	39	34
MW91-2-40.5	40.5			<2	4	88	0.6	<0.2	64		22	41	5	<0.2	<0.6	62	<2	<0.2	4	66	20
MW91-2-45	45			<2	2	110	0.9	<0.2	92		17	27	12	<0.2	<0.6	110	<2	<0.2	9	64	69
MW91-2-60.5	60.5			<2	2	330	0.9	<0.2	81		20	25	11	<0.2	<0.6	110	<2	<0.2	10	62	63
MW77-92-10-5.8	5.8	Mar-92	a	<2	3	120	0.6	<0.2	38		11	16	6	<0.2	<0.6	66	<2	0.2	<3	49	38
MW77-92-10-10.5	10.5			<2	10	150	0.8	0.4	93		19	46	11	<0.2	<0.6	130	<2	0.3	9	51	70
MW77-92-10-15.3	15.3			<2	14	220	0.8	<0.2	77		17	34	10	0.4	<0.6	110	<2	0.2	<3	35	65
MW77-92-10-21 .	21			<2	6	170	0.7	0.6	64		14	29	11	<0.2	<0.6	85	<2	<0.2	<3	42	60
MW77-92-10-31	31			<2	6	300	0.7	0.3	75		15	24	12	<0.2	<0.6	90	<2	<0.2	<3	57	61
MW77-92-10-40.3	40.3			<2	7	320	0.8	<0.2	80		16	25	13	<0.2	<0.6	97	<2	0.2	5	50	70
MW77-92-10-50.5	50.5			<2	8	310	0.8	0.3	76		15	21	13	<0.2	<0.6	90	<2	0.2	4	51	68
MW77-92-10-71	71			<2	11	330	1	<0.2	88		20	26	14	<0.2	<0.6	110	<2	0.2	7	75	75

Table C3-1 Soil Sampling Results Metals

				Sb	As	Ba	Be	Cd	Cr	CrVI	Co	Cu	Pb	Hq	Mo	Ni	Se	Αq	TI	V	Zn
Maximum Bad	kground	Concent	rations	5.5	19.1	323.6	1.0	2.7	99.6		22.2	69.4	16.1	0.4	7.4	119.8	5.6	1.8	7.6	74.3	106.1
	USEPA	Region 9	PRGs	31	0.39	5400	150	37	210	30	4700	2900	400	23	390	1600	390	390	6.3	550	23000
C	alifornia	Modified	PRGs			ľ		9	***************************************	0.2			,,			150	- 555	000		350	23000
	Depth				·	I	l	·		<u> </u>	l					130	L				
Sample ID	(ft)	Date	Lab																		
SB77-94-1-3.8	3.8	Apr-94	BC	<5	5.6	237	0.56	<0.5	78		16	33	5.7	<0.2	<2.5	86	<0.5	<1	<5	45	66
SB77-94-1-9.2	9.2			<5	1.6	131	< 0.5	<0.5	58		11	18	2.5	<0.2	<2.5	79	<0.5	<1	<5	35	43
SB77-94-1-13.7	13.7			<5	0.53	59	< 0.5	<0.5	64		9.1	16	<2.5	<0.2	<2.5	66	<0.5	<1	<5	38	37
SB77-94-2-4	4			<5	6.4	242	0.51	<0.5	58		11	23	2.8	<0.2	<2.5	B1	<0.5	<1	<5	39	52
SB77-94-2-8.7	8.7			<5	3.5	165	0.53	<0.5	76		12	26	5.0	<0.2	<2.5	107	1.1	<1	<5	38	58
SB77-94-2-13.7	13.7			<5	6.1	252	0.64	<0.5	67		13	30	4.5	<0.2	<2.5	92	0.54	<1	<5	47	63
SB77-94-2-18.9	18.9			<5	3.0	193	<0.5	<0.5	60		11	19	<2.5	<0.2	<2.5	93	0.54	<1	<5	39	43
MW77-94-5-4.3	4.3	May-94	BC	<5	<0.5	74	<0.5	<0.5	45		17	16	<2.5	<0.2	<2.5	26	<0.5	<1	<5	32	43
MW77-94-5-9.3	9.3			<5	1.3	87	<0.5	<0.5	66		14	24	2.6	<0.2	<2.5	53	<0.5	<1	<5	58	45
MW77-94-5-14.1	14.1			<5	4.1	125	<0.5	<0.5	39		9.8	21	4.5	<0.2	<2.5	62	<0.5	<1	<5	29	46
MW77-94-5-19	19			<5	1.4	96	<0.5	< 0.5	46		14	31	<2.5	<0.2	<2.5	54	<0.5	<1	<5	40	37
MW77-94-5-29.5	29.5]		<5	6.0	131	0.54	<0.5	60		16	36	5.2	0.31	<2.5	104	<0.5	<1	<5	39	73
MW77-94-5-38.9	38.9			<5	6.7	337	0.67	<0.5	78		15	34	7.0	<0.2	<2.5	110	<0.5	<1	<5	45	87
MW77-94-5-48.5	48.5			<5	3.4	384	0.61	<0.5	72		19	41	9.0	0.27	<2.5	126	<0.5	<1	<5	41	71
MW77-94-5-58.5	58.5			<5	6.7	268	0.62	<0.5	65		15	28	5.0	<0.2	<2.5	84	<0.5	<1	<5	57	77
MW77-94-6-3.7	3.7	May-94	BC	<5	1.1	87	<0.5	<0.5	62		20	27	3.0	<0.2	<2.5	34	<0.5	<1	<5	59	57
MW77-94-6-9.3	9.3			<5	0.71	63	< 0.5	<0.5	61		18	18	<2.5	<0.2	<2.5	28	<0.5	<1	<5	52	58
MW77-94-6-14.2	14.2			<5	5.2	106	<0.5	0.61	70		14	46	5.8	<0.2	<2.5	92	<0.5	<1	<5	49	68
MW77-94-6-24.2	24.2			<5	4.6	211	<0.5	<0.5	66		13	36	6.9	<0.2	<2.5	89	<0.5	<1	<5	43	64
MW77-94-6-34	34			<5	1.9	92	< 0.5	<0.5	82		18	27	5.2	<0.2	<2.5	84	<0.5	<1	<5	71	68
MW77-94-6-44	44			<5	2.1	139	<0.5	<0.5	52		17	46	3.8	<0.2	<2.5	61	<0.5	<1	<5	62	51
MW77-94-6-54.5	54.5			<5	9.2	179	<0.5	<0.5	86		15	38	4.8	<0.2	<2.5	83	<0.5	<1	<5	50	61
MW77-94-6-63.5	63.5			<5	5.1	141	<0.5	<0.5	67		13	48	· 5.6	<0.2	<2.5	81	<0.5	<1	<5	48	70
SS-MW77-97-10-D1CompA		May-97	BC	<10	6.0	162	<1	<1	77		14	29	<5	<0.2	<5	97	<1	<2	<10	45	62
SS-MW77-97-10-D2CompA				<10	8.0	135	1.1	<1	89		17	37	7.5	<0.2	<5	113	<1	<2	<10	55	76
SS-MW77-97-10-D3CompA				<10	4.0	109	1.1	<1	308	< 0.1	12	26	5.0	<0:2	13	100	<1	<2	<10	53	51
SS-MW77-97-10-D4CompA				<10	4.6	123	<1	<1	194	<0.1	10	77	17	<0.2	9.6	72	<1	<2	<10	45	80

Other Soil Sampling

BS-SB69A-99-1-Comp1		Oct-99	BC	<10	3.7	90	<1	<1	60	13	29	<5	<0.2	<5	89	<1	<2	<10	45	44
BS-SB69A-99-1-Comp2				<10	2.4	115	<1.	<1.	69	12	31	11	<0.2	<5	70	<1	<2	<10	64	51
SS-77-99-1-1.7	1.7	Dec-99	BC	<5	0.9	13	0.58	<0.5	4.0	<2.5	4.6	<2.5	<0.2	<2.5	6.4	<0.5	<1	<5	4.2	9.4
SS-77-99-3-1.7	1.7			<10	1.0	92	<1	<1	67	20	42	<5	<0.2	<5	72	<1	<2	<10	79	57

Table C3-1 **Soil Sampling Results** Metals

(Concentrations in mg/kg)

				Sb	As	Ba	Be	Cd	Cr	CrVI	Co	Cu	Pb	Hg	Mo	NI	Se	Ag	TI	V	Zn
Maximum I	Background	d Concent	rations	5.5	19.1	323.6	1.0	2.7	99.6	·	22.2	69.4	16.1	0.4	7.4	119.8	5.6	1.8	7.6	74.3	106,1
	USEPA	Region 9	PRGs	31	0.39	5400	150	37	210	30	4700	2900	400	23	390	1600	390	390	6.3	550	23000
	California	Modified	PRGs					9		0.2						150					
·	Depth																		***************************************		
Sample ID	(ft)	Date	Lab																		
SS-77-99-4-1.6	1.6	Dec-99	BC	<5	9.1	87	0.93	<0.5	25		4.7	20	. 5.1	<0.2	<2.5	36	<0.5	<1	<5	19	35
SS-77-99-5-1.7	1.7			<5	5.2	94	0.96	<0.5	61		13	46	5.5	<0.2	<2.5	82	<0.5	<1	<5	57	64
BS-SB31-97-1-RecompA		Sep-97	BC	<10	4.6	152	<1	<1	97		19	39	<5	<0.2	<5	73	<1	<2	<10	85	55
BS-SB31-97-2-RecompA				<10	4.5	149	<1	<1	78		19	48	<5	<0.2	<5	61	<1	<2	<10	81	66
BS-SB31-97-3-RecompA				<10	5.3	175	<1	<1	78		18	40	5.9	<0.2	<5	86	<1	<2	<10	63	74

Poultry Research Pit

SS-CKPit-97-1A-2.5	2.5	Feb-97	BC	<10	3.8	167	<1	<1	110	11	48	6.4	<0.2	<5	69	<1	<2	<10	83	84
SS-CKPit-97-2A-2.5	2.5	1		<10	6.6	164	<1	<1	114	15	59	6.6	<0.2	<5	68	<1	<2	<10	96	54
SS-CKPit-97-3A-2	2			<50	20	160	<5	<5	244	26	202	<25	<0.2	<25	132	<5	<10	<50	102	72
SS-CKPit-97-4A-2	2			<10	2.5	184	<1	<1	112	14	48	<5	<0.2	<5	68	<1	<2	<10	80	54
SS-CKPit-97-5A-5	5			<10	6.0	159	<1	<1	104	19	33	5.3	<0.2	<5	106	<1	<2	<10	75	65
SS-CKPit-97-6A-5	5			<10	5.1	175	<1	<1	112	18	33	5.5	<0.2	<5	96	<1	<2	<10	81	59
SS-CKPit-97-7A-5	5			<10	5.2	197	<1	<1	116	 17	33	5.3	<0.2	<5	103	<1	<2	<10	91	63
SS-CKPit-97-8A-4.5	4.5			<10	4.9	245	<1	<1	118	22	34	<5	<0.2	<5	134	<1	<2	<10	94	61
SS-CKPit-97-9A-5	5			<10	4.5	137	<1	<1	105	14	35	5.1	<0.2	<5	95	<1	<2	<10	74	69

BC = Analysis by BC Laboratories

C = Analysis by Chromalab

= Not analyzed

258 = Concentration above background and PRG

CLS = Analysis by California Laboratory Services < = Not detected above reporting limit

MT = Analysis by Med-Tox

Q = Analysis by Quanteq

ND* = No soluble Cr or CrVI were detected by Waste Extraction Test (WET).

Soil Sampling Results (mg/kg)

SWMU 3-6: Building 75 Former Hazardous Waste Handling and Storage Facility

Concentrations of Organic Constituents and Cyanide

						VOCs		SVOCs	Pesticides & PCBs		PC	Bs		Crude/ Waste Oll	TPH-Fuel Identification	Oil & Grease	Cyanide
				cis 1,2-DCE	PCE	TOE	Other Compounds Detected			Aroclor 1232	Aroclor 1242	Araclor 1248	Aroclor 1254				
			PRG	43	5.7	2.8				0.22	0.22	0.22	0.22	*******			11
Sample ID	Depth (ft)	Date	Lab					1101									
SB75-96-1-4	4.0	Jul-96	BC	0.20	₹0.005	0.015				≠ 0.01	<0.01	*D.01	<0.01		Crude/Waste Oil=37	×20	
SB75-96-1-9	9.0		:	0.09	<0.005	₹0,005	chlarobenzene=0.011			₹0.01	20.01	-0.01	<0.01		Crude/Waste Oil=46	<20	
SB75-96-1-14.2	14.2			0.0081	¥0.005					20 O1	€0.01	40.01	- 10 OS			€20	
SB75-96-1-19.3	19.3			HE <0.008	#±0.005	<0.005					*******	20.01 M	40.01		NO	<2D	
SB75-96-1-24.1	24.1			<0.005	₩<0,005	<0.005				20.011	W. 60.01	<0.01	₹0.01		adamatur ND adamada	<20	
SB75-96-1-29	29.0			₹0.005	E < 0 005	<0.005				<0.01	<0.01	₹0.01	<0.01		ND	<20	
SB75-96-2-4.7	4.7			<0.005	<0.005	<0.005	ethyl benzene=0.0064 totat xylenes=0.034			<0.01	40,01	c0.01	0.01		TPH-Motor Oll=86	₹20 1	
SB75-96-2-9.5	9.5			#67×0,005	₹0.005	<0.005				#### £0.01		<0.01::::ii:	∰ 40.01 *			::<20::	
SB75-96-2-15.1	15.1			0.0061	20.005	₹0,005	:			<0.01.00		<0.01	10.0840.01		ND :	<20	
SB75-96-2-20 SB75-96-3-5.1	20.0 5.1			0.015	<0.005	≈<0.005				<0.01	<0.01	10.05	€D 01		Hydraulic/Motor Oil=15	32	
SB75-96-3-10,1	10.1			<0.005	<0.005	<0.005# 				20.01	10.03	₹0.01	20.01		ND I	<20	
SB75-96-3-15	15.0			<0.005	₹0.005	<0.005				€0.01 €0.01	<0.01	<0.01	<0.01			<20 €	
SB75-96-3-19.5	19.5			<0.005	₹0.005	<0.005						±0.01	<0.01		A CHARLEST NO THE RESERVE	<20	
SB75-96-4-6	6.0			<0.005	20.005	<0.005					¥0.01	iffg:r<0.01	\$0.01 ₹		State of NO	<50	
SB75-96-4-11	11.0			<0.005 m	≈<0.0D5	<0.005			 		 						<u> </u>
SB75-96-4-15.6	15.8			<0.008	ii.<0.005	<0.005					<u> </u>					\vdash	
SB75-98-4-20.8	20.8			<0.005	<0.005	<0.005						***************************************					
5875A-96-1-3.8 5875A-96-1-12.5	3.6 12.5	Sep-96	BC	<0.005	≪0.005 ≪0.005	€0.005 <0.006				<0.01 <0.01	40.01	<0.01	9.0 .<0.01		Crude/Waste Oil=12	<2D	
SB75A-96-1-17.B	17.8			<0.005	€0.005	<0.005					**************************************	20.01	<0.01		Crude/Waste Oil=29 Diesel=170	<20	.——
SB75A-96-1-22,5	22.5			<0.005	₹0.005	€0.005				<0.01		<0.01	<0.D1		Crude/Waste Oil=19	<20	
SB75A-98-1-1.5		Apr-98	8C	<0.005	<0.005	₹0.005			 	<0.01		<0.01	<0.01		Ciude/Waste Off=19	20 ×20	
SB75A-98-1-3.2	3.2			<0.005	<0.005	<0.005				2001W		<0.01	£0.01		***************************************		┼──┤
SB75A-98-1-5.8	5.8			<0.005	20.005	20 005 m				€0.01		<0.01	<0.01				1
SB75A-98-1-11	11.0			<0.005	#0.005	<0.005				€0.01 F	- 11 co.012		<0:01				
SB75A-98-2-1.8	1.8			<0.006	20.005	<0.005				© 10.017±	10.05 m		<0.01		***************************************	T	
SB75A-98-2-3.2	3.2			<0.005	<0.0D5	<0.005	·	***		<0.01	*0.01	<0.01	<0.01				
S875A-98-2-6	6.0			0.016	₹0.005	<0.008		***	ļ	#### < 0.01###	20.01	10,05	<0.01				
SB75A-98-2-10.8	10.8			<0.005	<0.005	<0.005				## 40.01	₹0.01	<0.01	40.01				
S875AHW-97-1-1.0	1.0	Jul-97	BC	###<0.005###	#<0.005	×0.005 ∺		Balanda AD Harristonia	HATEL NO. 1941		**************************************		HE (120.01)	49			81 - 1 1 mil
5875AHW-97-1-3,0	3.0			<0.005	₹0.005	<0.005		E LOUIS DANS DE LES	NO P	15 5001		€0.01	10,01	### <20	***************************************	<u> </u>	ä;-;, €1 :000
S875AHW-97-2-1.1 SB75AHW-97-2-2.6	2.6			<0.005	<0.005 <0.005	<0.005 <0.006		ND ND		<0.01	<0.01	<0.01	<0.01	#20 ×20		↓	**************************************
SB75AHW-97-3-1.0	1.0			<0.006 <0.005	<0.005	<0.006 <0.005		ND SECTION ND 1885 (1985)	ND ND	<0.01	K0.01	100 20 01 11	<0.01	20 20		—	### c 16##
SB75AHW-97-3-2.6	2.6			<0.005	₹0.005	<0.005		ND II		c0.2	0.97	<0.01 <0.2	<0.01 <0.2	38 460		 	Shire Hard
S875AHW-97-4-1.0	1.0				<0.005	<0.005		ND C		-0.01	<0.01	<0.01	<0.01	400 <20			366 -1 66
SB75AHW-97-4-2.5	2.5				₹D.005	<0.006		AND THE PROPERTY NO.	ND III	<0.02	<0.02	<0.02	<0.01	20		 	9555 1 1101
S875AHW-97-5-1.0	1.0			€0.005	#!<0.005	k0,005		THE REPORT NO. 1981 THE RESERVE	distill NO calle	40.01	₹0.01	<0.01	<0.01	20 de			
SB75AHW-97-5-2.8	2.8			i	<0.005	<0.005		The Hard State of the Control of the		### <0.01	*0.01E	£0.01	10.01.01	(U. L.) <20 (U.S.)		 	2014120
SB75AHW-97-6-1.0	1.0	ļ		*-<σ.005	₩<0.005	<0.005		And the state of t	How ND 6566	***** 0.01	40.01s		<0.01	420 H			ile zatičii
SB75AHW-97-6-2.9	2.9			K0,005	₹0.005	<0.006		ND (C.)	ND all	£0.01	<0.01	<0.01	<0.01	<20			## *1 00
SB75AHW-97-7-1.0	1.0			₹0.005	€0.005	₹0,005		Di-n-butyl phthalate=1.5	Hente NO Rein	₹0,02	### # 0.02	<0.02	₹0.02	200	Y		20 41
SB75AHW-97-7-3.0 SB75AHW-97-8-1.0	1.0			<0.005 €	€0.005 •€0.005	<0.005		Di-n-butyl phthalate=1.7 Butyl benzyl phthalate=0.10	NO SI	e0.01	40.01 40.2	e0.01	¥0.01	110			a iktor
SB75AHW-97-8-3.2	3.2			<0.005	∠ 0,005	<0.005		Di-n-butyl phthalate=1.8 Butyl benzyl phthalate=0.32	No.	<0.01	<0.01	c0.21	<0.2 <0.01	110 <20			<1 <1
SB75AHW-97-9-1.3	1.3			Printer Committee	<0.005			Di-n-bulyl phthalate≃1.9	bestelleristrechnichtight.	(thistininalized)	APRINGMANUM NE	essergia economia (della		determinantistis.			HORDRINGS
SB75AHW-97-9-1.3 SB75AHW-97-9-3.0	3.0			0.005	<0.005	<0.005			NO HI	<0.02	€0.02	<0.05	<0.02	40			444 <1 044
SB75AHW-97-9-3.0		Sep-97	BC	0.013	<0.005			NO SECTION	ND	<0.05	<0.05	<0.05	<0.05	€20			41 41 15
SUISACTO TO 4.1	4.7	26h-21	الما	0.021	CUIRGO	~U.UU3	1		NO	20.01	<0.01	<0.01	<0.01	420 ~20		1	21

Soil Sampling Results (mg/kg)

SWMU 3-6: Building 75 Former Hazardous Waste Handling and Storage Facility

Concentrations of Organic Constituents and Cyanide

						VOCs		SVOCs	Pesticides & PCBs		PC	:Bs		Crude/ Waste Oil	TPH-Fuel Identification	Oil & Grease	Cyanide
				cis 1.2-DCE	FCE	TCE	Other Compounds Detected			Atoclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254				
			PRG	43	5,7	2.6				0.22	0.22	0.22	0.22				1 1
Sample ID	Depth (ft)	Date	Lab											1		1	
SB75AHW-97-10-1.0	1.0	Jul-97	BC	**************************************	₩0.006	<0.005			WE NO THE	₹0.01	W5640.01	Him'e0.01	₹0.01	<50			dentitations
SB75AHW-97-10-3.0	3.0			<0.005		40,005		NO NO	atieth ND in 146	<0.2	111511 -0 ,2161111	<0.2	40.2:4±	180	······	-	GR: <1 5H
SB75AHW-97-11-1.0 SB75AHW-97-11-2.5	2.5			<0.005	<0.005	<0,005			NO:	€0.01 €0.01	<0.01 <0.01	€0.01 €0.01	<0.01	<20 ×20			<1
SB75AHW-97-12-1.0	1.0			<0.005	€0.005	<0.005		ation to an inches	ND	60 O1	<0.01	F0.05	<0.01 <0.01	<20			# K1 44
SB75AHW-97-12-2.8	2.8			<0.005	#<0.005	₹0.005		ORDERS DE NOTABLE DE LA COMPANION DE LA COMPAN	ALLE NOT HE	<0.08	0.40	<0.08	<0.08	120		-	1118
SB75AHW-97-12-3.2	3.2	Sep-97	BC		1:0.005			Phenanthrene=0.20	ND I	William Zanistini	15		liikili ka li ka	400			
SB75AHW-97-13-1.0	1.0	Mar-98	BC	=0.005		<0.005		THE PARTY OF THE P	ND	<0.01		≥0.01	<0.01	<20			-: <0,50:
SB75AHW-97-13-2.8	2.8			20,005		5 KO.005			CONTRACTOR OF THE	€0.05	### KO .05	20.08	<0.05	43			₹0.50
5875AHW-97-14-1.1	1.1			₹0.005	1640.005	<0.005			建聚性ND 排射器	10,03	### 60,01	10.03	### # ################################	 <20			<0.48
SB75AHW-97-14-3	3.0			*O.008	# <0.005	# <0.005#		ND ND	musik ND (arth)		### < 0.01###		10105 H	Taisik20ililin		 	<0.49
SB75AHW-97-15-1.2 SB75AHW-97-15-3.2	3.2	-		<0.005 <0.005	<0.005	4 <0.005 3 <0.006	Methylane chloride=0.012	ND ND	ND NO	<0.01 <0.01		<0.01 <0.01	<0.01 <0.01	<20 <20		┤	<0.47
SB75EHW-97-1-1	1.0	Aug-97	BC	20.005	0.0058	# 20.005 W	Mestrylane Lindide=0.012	NO 100 100 100 100 100 100 100 100 100 10	HOUSE NO STORY	<0.01	<0.01	20.01	<0.01	20			<1
SB75EHW-97-1-3.5	3.5		_	20.005	# co.005	91<0.005			Marin NO 3 Marin	e0.01	# # (0.01	40.01	<0.01	U11111420 11111			100
SB75EHW-97-1-4.3	4.3	Sep-97	BC	₩ 0:005	@<0.005#	€0.005		I NO	HI NO HEI	10.05 M	K0.01	10.00	7e0 01	10 < 20 11 11		 	18181
SB75EHW-97-2-1.1	1.1	Aug-97	BC	×0.005	<0.005	<0.005		ND NO	ND.	€0,01	₹0.01	<0.01		20 miles		1	<t< td=""></t<>
SB75EHW-97-2-3.5	3.5			<0.005	<0.005	₩<0.005**			NO	<0.01	10.05	<0.01	<0.01	420			<1
SB75EHW-97-2-5	5.0			+0,005	<0.00B	<0.005			ILLEN NO HILL	1010000101	0.045	######################################	10.03	≺20			
SB75EHW-97-3-1.1	1.1			<0.005	₹0.005	#<0.005			HERENDA SH	**************************************	10.01E	10.05	≟0.01	¢20			59821888
S875EHW-97-3-2.8	2.8			<0.005	.co.006	<0.005			ND:	<0.01	×0.01	€0.01	10.05	45 420		<u> </u>	alma ≮1 mia-
SB75FLHW-97-1-0.5	0.5	Aug-97	BC	<0.005	<0.005	<0.005		Benzył alcohol=0.26 Bis(2-ethylhexyl) phthalote=0.34	NO.	£0.2	<0,2	<0.2	V 0.2	27			7
S875FLHW-97-1-3.8	3.8	ļį		<0.005	<0.005	<0.005		Benzyl alcohol=0.21	ND ND	<0.01	€0.01	₹0.01	<0.01	<20	***************************************		<1
S875FLHW-97-2-0.5	0.5			₹0.005	<0.005	₹0,005		ND to the second	NO.	<0.4	≪0.4	<0.4		Kerasena±350			359 <1 (1)
SB75FLHW-97-2-3	3.0]		<0.005	<0.005	<0.005		Benzyl alcohol=0.11		**************************************	20.01	+0.01	<0.01	<20 -			GP1141
S875FLHW-97-3-0.5 S875FLHW-97-3-3.2	3.2	{		#0.005 ≰0.005	20,005	#. ~ 0,005		Benzyl alcohol=0.22	ENUINDALES	11 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<0.2	11111 40 2 11 11 11 11 11 11 11 11 11 11 11 11 1	36			
SB75FLHW-97-4-0.5	0.5			40.005	<0.005 <0.005	<0.005 <0.005		Benzyl alcohol=0.19 Benzyl alcohol=0.32	ND NO		<0.01 <0.05	0,17	<0.01 <0.05	100	•	1	100 ct 100
SB75FLHW-97-4-2.6	2.6			<0.005	~C.005	<0.005		Benzyl alcohol=0.18		<0.02		0.067	₹0.05	26		-	**************************************
SB75JHW-97-1-1.8		Aug-97	BC	<0.005	** <0.006	₹0.005				THE THEO B		3.4	€0.5	650		+	100054100
SB75JHW-97-2-1.3	1.3	Sep-97	BC	€0,005		W-c0.005		THE PROPERTY OF THE PARTY OF TH	ASSESSED FOR THE PARTY OF THE P		€0.2	3182120 23151	0.68	57			in tention
SB75J-97-3	3.0	Oct-97	BC							e3.0	2.0	19	0.05		***************************************		
S875J-97-3	5.0	1 1								₹0.5	₹0.5%	3.1	<0.5		***************************************		
SB75J-97-3	7.3									Eliment et al	100 HE 100 HE 100 HE	0.64	<0.1				
SB75LYHW-97-1-0.8	0.8	Aug-97	BC	₩1 < 0.005	<0.005	€0.005		Similar NO Marine	ND WHI	¥0.01	1 co 018	<0.01	<0.01	<20			s 1
SB75LYHW-97-1-2.6	2.8			-1-<0.005	₩<0.005	<0.005			NO ME	10.03	<0.013	SHEKO,OTHE	#0.01			-	il::≰1:::::
SB75LYHW-97-2-1.2 SB75LYHW-97-2-3.7	3.7			<0.005	0.025	<0.005		NO NO	III NO	₹0.01	40.01 40.01	0.036 2001	<0.01	<20			2005 A 100
SB75LYHW-97-3-1	1.0			₹0,005	<0.005	<0.005		HU DE TE HINDERE SELE	ND	40.01 × 0.02	<0.02	<0.01	<0.01 <0.02	<20			<1
SB75LYHW-97-3-2.5	2.5			20,005	### 0.005	0.005			NO THE	<0.02	40.012	<0.02	<0.02	<20			
SB75LYHW-97-4-1.2	1.2			≠0.005	<0.005	₹0,005	1,1-DCE=0.0063 1,1,1-TCA=0.015	NO E	NO H	∯ (€0.01∰	×0.01	₹0.01	<0.01	420			i si
S875LYHW-97-4-2	2.0]		<0.005 ↔		# <0.005		NO PIE	I IND	(54120.01 E)	<0.01	₹0.01	<0.01	<20			002146
SB75LYHW-97-5-1	1.0			₹0.005	# CO.0059	₩ < 0.005			Hard NO threat	10.03	### #0.01	<0.01	40.01	27			7 S 100
SB75LYHW-97-5-2.7	2.7			<0.005	<0.005	<0.005				<0.01	:::::::<0.01**	<0.01	<0.01	39			Eng e thic
SB75LYHW-97-6-0.7	0.7			€0.005	€0.005	: <0.005		Benzyl alcohol=0,19	NO	€0.01	₹0.01	*0.01	<0.01	k20			E 41(1)
SB75LYHW-97-6-2.8	2.8			<0.005	<0.005	<0.005	<u> </u>	Benzyl alcohol=0.28		<0.01	20.01	<0.01	<0.01	<20			2012

Soil Sampling Results (mg/kg)

SWMU 3-6: Building 75 Former Hazardous Waste Handling and Storage Facility

Concentrations of Organic Constituents and Cyanide

						VOCs		SVOCs	Pesticides & PCBs		P	CBs		Crude/ Waste Oil	TPH-Fuel Identification	Oil & Grease	Cyanide
				cis 1,2-DCE	PCE	TCE	Other Compounds Detected	***************************************	,	Arocior 1232	Araclar 1242	Aroclor 1248	Araclar 1254		***************************************	1	
			PRG	43	5.7	2.8				0.22	0.22	0.22	0.22				11
Sample ID	Depth (fl)	Date	Lab											· · · · · · · · · · · · · · · · · · ·			•
SB75Y-97-1	3.2	Oct-97	BC			1				e0.01	### *0. 01	£0.01	<0.01			1	
S875Y-97-1	6.7									<0.01	≥0.01	15 -c0.01	₹0.01				
SB75Y-97-2A	4.5									11 120 OT	<0.01	#### ##	<0.01			1	
SB75Y-97-2A	7.5									10.01	19 1 €0.01	<0.01	<0.01			1	
S875Y-97-3A	4.5			<u> </u>		<u> </u>				<0.01	20.01	0.081	<0.01				
S875Y-97-3A	7.5							······		- i e0.01	<0.01	≥0.01	<0.01				
SB75Y-97-4 SB75Y-97-4	4.9					├──					20.01	<0.01	<0.01				
SB75Y-97-5	7.5 6.3					 				<0.01	<0.01	#### ## 0.01####	Militar 0.01			ļ	ļ
SB75Y-97-5	7.5			<u> </u>						₹0.06	™<0.05	0.28	40.05	ļļ.		ļ	
SB75Y-97-9	1.0									<0.01 <0.05	<0.01	<0.01 0.27	×0.01				
SB75Y-97-9	3.0					<u> </u>		·		<0.01		0.27 30.01	₹0.05 ₹0.01			<u> </u>	
S875Y-97-9	7.5									¢0.01	£0.01	-0.01	×0.01			┼──	
SB75Y-97-10	2.2									€0.01	×0.01	<0.01	<0.01			-	
SB75Y-97-10	4.5									£0.01		0.049	<0.01		· · · · · · · · · · · · · · · · · · ·	1	
SB75Y-97-10	8.0									<0.01	#D.01	<0.01	<0.01			 	
5875YHW-97-1-0.5	0.5	Aug-97	BC	<0.005	4<0.00B=	<0.005		an della sella NO Statilla basishi	HERITA NO HATE	<0.2	illim to pinin	0.20		20		1	41.5
S875YHW-97-1-3.2	3.2			€0.005	<0.005	<0.005		ND ND		<0.01	41 40.01 L	# 40.01	40.01ld				11121111
S875YHW-97-2-0.8	0.8			<0,006	<0.005	<0.005		ND	NO +	-5	## 45	48	<5	67			: <1 ::
S875YHW-97-2-3	3.0			<0.005	20.005E	20.005		ND THE	NO INTE	<0.02	<0.02	0.15	<0.02	67			1202195
SB75YHW-97-3-0.8	0.8			<0.005	<0.005	<0.005		All the section NO restriction and	MANUAL NO HOUSE	1911 E.O. 6 SEC. 18	91: -0.5	2.8	<0.5	37		1	4 K
S875YHW-97-3-3	3.0			<0.005	ं<0.005≅	<0.005		All and the North Control of the Con	is in NO	AL	#### <0.08-	≠::::-<0.05	40.05	160		1	Basterina
S875YHW-97-4-0.7	0.7			<0.006	<0.005	<0.005		ND State in	i kandala	€0.1	alle e0/1:	0.50	<0.1	::: 20 :::≘:::			1000
SB75YHW-97-4-2.8 SB75YHW-97-5-0.8	2.8			<0.005 <0.005	<0.005	40,005			ND	<0.01	<0.01	0.058	- co o1	≮20	***************************************		<1
SB75YHW-97-5-3	3.0			<0.005	<0.005 	40,005 √0,005			ND NO	€0.6	4015	2.1	€0.5	65			311111111111111111111111111111111111111
SB75YHW-97-6-2	2.0			£0.005	<0.008	<0.005		Bara Bara	MO NO	₹0.01 m ₹0.01	#### *0.01	0.021	<0.01 % <0.01	<20 <20	****	-	U002108
SB75YHW-97-6-3.2	3.2			e0.005	<0.005	<0.005		MOSE CONTRACTOR	NO:	<0.01	₹0.01	0.018	<0.01	<20			
SB75YHW-97-7-1.2	1.2			<0.009	₩€0.008	<0.005		(SARSTEELS OF NO SHAPE RELEASE	NO TO	€0.01	<0.01	<0.01	₹0.01	€20		 	<1 ×1
SB75YHW-97-7-3	3.0			<0.005	10005	40 OD5		OPERATE NO REPORTE	HILLING HILL	111110.03111111	<0.011	20.01	₹0.01	# <20			Hali iz e nişê
SB75YHW-97-8-1.3	1.3				0.028	<0.005		STATE OF THE PARTY OF THE PARTY OF	O	11 120 O1 11	12.001	- 0.01	10.05	::::.<20			E005<1005
SB75YHW-97-8-3.5	3.5			<0.005	0.14	0.011		NO SE	NO.	<0.01	<0.01	₹0.01	<0.01		•		20.41.88
SB75YHW-97-8-4.3	4.3	Sep-97	BC	<0.005	0.072	0.0054		NO VIE	NO.	<0.01	e0 D1	<0.01	<0.01	<20	• • • • • • • • • • • • • • • • • • • •		<1
SB75YHW-97-8-5.4	5.4			<0.005	0.31	0.0069		ND W	Minima ND An Min	20.01	10.05	20.01	<0.01	₹20		· ·	21
SB75YSWR-97-1-2.6		Oct-97	BC	€0.006	0.0070	<0:006											2 <1.0
SB75YSWR-97-1-3.6	3.6			<0.005	0.019	-<0:005 ii											#: <1.0
SB75YSWR-97-2-2.5	2.5			<0.005	0.040	<0.005											<1.0
SB75YSWR-97-2-3.5	3.5			<0.005	0.069	0.026						<u> </u>					80 4110 88
SB75A-97-3		Oct-97	BC		<u> </u>						12 KD.01	<0.01	<0.01				
SB75A-97-12	4.2	A 00	BC.		!		·			₹0.01		0.036	0.01				
SB75A-99-1 SB75A-99-1	5.0	Aug-99	191		 					<0.01		c0.01	40.01			·	
5875A-99-1	10.0				 					<0.01		<0.01	<0.01		·····	-	
SB75A-99-1	15.0			<u> </u>	 	 				<0.01	<0.01	<0.01 <0.01	<0.01 <0.01			+	
SB75A-99-2	0.8				 	····			1	<0.01		₹0.01	<0.01			1	
SB75A-99-2	4.5					·				<0.01	€0.01	<0.01	<0.01	 -			
SB75A-99-2	10.0					<u> </u>			1.7.7.1	<0.01	<0.01	20.01	<0.01			 	
SB75A-99-2	13.3									<0.01	: + <0.01	<0.01	<0.01			1	<u> </u>
SB75A-99-3	0.8									₹0.01	<0.01	<0.01	<0.01				
SB75A-99-3	5.0							****		₹0.01	<0.01	<0.01	<0.01			1	
SB75A-99-3	10.0	į								<0.01	<0.01	<0.01	<0.01				
SB75A-99-3	15.0			l		1	L			≥0.01	<0.D1	KD,01	<0.01				

Soil Sampling Results (mg/kg)

SWMU 3-6: Building 75 Former Hazardous Waste Handling and Storage Facility

Concentrations of Organic Constituents and Cyanide

COPCs: Halogenated VOCs, PCBs, Fuel Hydrocarbons, Cyanide

						VOCs		SVOCs	Pesticides & PCBs		PC	285		Crude/ Waste Oil	TPH-Fuel Identification	Oil & Grease	Cyanide
				cis 1.2-DCE	POE	TCE	Other Compounds Detected			Araclar 1232	Arector 1242	Araclar 1248	Arocior 1254			·	İ
			PRG	·	5.7	2.8				0.22	0.22	0.22	0.22				1:
Sample ID	Depth (ft)	Date	Lab		L		'			.1	1			<u> </u>		.1	
SB75A-99-4	0.8	Aug-99	BC			1				FF 60 01 FF	10.01	₹0.01	₹0.01	i.		1	$\overline{}$
SB75A-99-4	5.0									<0.01	ln 5/40,012	<0.01	10.05		·····	1	1
SB75A-99-4	10.0			<u></u>	<u> </u>	<u> </u>				∄ . <0.01		<0.01	<0.01			1	
SB75A-99-4	14.9			<u> </u>		ļ					<0.01		<0.01				
SB75A-99-5	0.8				-	!					20.01		<0.01				
SB75A-99-5	5.0				-	1					KO 01		<0.01			<u> </u>	<u> </u>
SB75A-99-5 SB75A-99-5	10.0				-	1			-	10.03			- 10.03 mile			<u> </u>	<u> </u>
SB75A-99-6	0.7				-	· }					id: 60.01						
SB75A-99-6	5.0			—	+	 					<0.01						
SB75A-99-6	10.0				— —	1.	 				#### <0.01	<0.01 <0.01	€0.01 €0.01			 	↓
SB75A-99-6	15.0							#		10.01		<0.01		-			
SB75A-99-7	0.7				1	<u> </u>	1			£0.01		≥0.01		*****		┼──	
SB75A-99-7	5.0				·	·	1		1	<0.01			<0.01				+
S875A-99-7	10.0				1					111111111111111111111111111111111111111		40.01	£0.01			 	
SB75A-99-7	15.D					1				10.03		×0.01	<0.01			- 	
SB75A-99-8	1.0						į		-	€0.01	0.14		<0.01			1	
SB75A-99-8	5.0									<0.01	<0.01	€0.01	<0.01			1	***************************************
S875A-99-8	10.0				1	ļ				<0.01	<0.01	<0.01	<0.01			T	
S875A-99-8	15.0				<u> </u>					20.01	## E<0.01		<0.01			1	
SB75A-99-9	2.2									(0.01:11)	0.023	<0.01					
S875A-99-9	5.0				ļ					<0.01		<0.01	<0.01				
SB75A-99-9	10.0								_	<0.01		<0.01	<0.01				
SB75A-99-9 SB75A-99-10	15.0			<u> </u>	1		 			***************************************	100 60 01	40.01	10 05 Miles		····		ļ
SB75A-99-10	5.0			1	 	1					16:15:40.015616		<0.01			 	
SB75A-99-10	10.0			 		-	-		· · · · · · · · · · · · · · · · · · ·		######################################		₹0.01			 	
SB75A-99-10	15.0				1						60 01 C	<0.01 <0.01	<0.01 <0.01				—
SB75A-99-11	1.5			—		 					10.1250.012	×0.01	£0.01			+	
SB75A-99-11	5.0		ĺ		†	1				**********	100 EQ 0151	×0.01	<0.01		***************************************	 	
SB75A-99-11	10.0				1		i i				40.01	<0.01	<0.01			 	
SB75A-99-11	15.0						1		***************************************		20 O S	<0.01	10.05		***	 	
SB75A-99-12	1.5									MINEO 01 201	<0.01	-0.01W	40.01			1	
SB75A-99-12	5.5									### * 0.01	10.03E	**** €0.01 %	10.05×11				1
SB75A-99-12	10.0				.					₹0.01		₹0.01	E 10,01		-	1	
SB75A-99-12	14.5		1	ļ	ļ	 				<0.01		<0.01	<0.01				
SB75A-99-13	1.5		ł		 	ļ		***************************************			*** KO O13		<0.01				
SB75A-99-13	5.0				 	 					20 O 1	<0.01	20.01				
SB75A-99-13 SB75A-99-13	10.0		1	-	1	·	1			€0.01		±10.01	40.01				<u> </u>
SB75A-99-14	1.5				1	 				10.05		£0.01	40,01				
SB75A-99-14	5.0				 	 				<0.01	0.024	€0.01	<0.01				—
SB75A-99-14	10.0			 	 	 				<0.01	<0.01	<0.01	<0.01				
SB75A-99-14	15.0				 	1	 			<0.01		<0.01 <0.01	<0.01 €0.01				
SB75A-99-15	1.5					†	·			<0.01		<0.01	₹0.01			+	
SB75A-99-15	5.0				1	1				<0.01		<0.01	<0.01			+	
SB75A-99-15	6.8		Į .		1	1				<0.05		<0.05	₹0.05		· · · · · · · · · · · · · · · · · · ·		
SB75A-99-16	1.5		l							<0.01	60.01	<0.01	<0.01				
SB75A-99-16	5.0		1					***************************************		1.60.01		<0.01	₹0.01			 	
SB75A-99-16	10.0									<0.01	· · · · · · · · · · · · · · · · · · ·	<0.01	₹0.01			 	
SB75A-99-16	15.0		1			ļ				€0.01		<0.01	<0.01			1	†
SB75A-99-17	1.5		<u> </u>	11		<u> </u>				<0.2	2.8	±0.2	<0.2		***	 	t

Soil Sampling Results (mg/kg)

SWMU 3-6: Building 75 Former Hazardous Waste Handling and Storage Facility

Concentrations of Organic Constituents and Cyanide

COPCs: Halogenated VOCs, PCBs, Fuel Hydrocarbons, Cyanide

						VOCs		SVOCs	Pesticides & PCBs		PC	CBs		Crude/ Waste Oil	TPH-Fuel	Oil & Grease	Cyanide
				cis 1.2-DCE	POE.	TCE	Other Compounds Detected	•		Aroclar 1232	Arocior 1242	Aroclor 1248	Arocior 1254				***************************************
			PRG	$\overline{}$	5.7	2.8				0.22	0.22	0.22	0.22			 	11
Sample ID	Depth (ft)	Date	Lab	1	1					,			5.22	ļ		1	
SB75A-99-17	5.0	Aug-99	BC							<0.2	0.37	<0.2	Historia de la constanta de la				$\overline{}$
SB75A-99-17	10.0				<u> </u>					<0.01	<0.01	Helico of Cal	<0.01				
SB75A-99-17	14.0				ļ					<0.01	<0.01	Hall to os the	₹0.01				
SB75A-99-18	1.5									<0.2	1.8	₹D.Z	<0.5				
SB75A-99-18	5.0									⊒l 2<0.05 ii	0.074	## ₹0.05	₹0,05	[
SB75A-99-18	10.0				- 		ļ	····		<0.01		<0.01	<0.01		***************************************		
SB75A-99-18 SB75A-99-19	13.5			-	-				_		<0.01	######################################	<0.01				<u> </u>
SB75A-99-19	5.0		l	-	-	 				1.1		1002	11111 E0.2				ļl
SB75A-99-19	10.0		l				ļ	44			did <0.01	<0.01 €	<0.01			ļ	
SB75A-99-19	15.0				1	 					40.01		<0.01 <0.01		·	 	
SB75A-99-20	2.0				† ·	}	<u> </u>	***	-	+ F1/10	10.020.01		<0.01			1	
SB75A-99-20	5.0				1							100 co o 1				┼	-
SB75A-99-20	9.5				1	***************************************		-				×0.01				1	
5875A-99-21	1.5											<0.01	<0.01			1	\vdash
SB75A-99-21	5.0											<0.01		i		1	
SB75A-99-21	10.0											######################################			· · · · · · · · · · · · · · · · · · ·	1	
S875A-99-21	14.5									# # 0.01 Hall	₹0.01		10 0 of			T	
S875A-99-22	1.5				1					<0.01		€0.01	<0.01				
SB75A-99-22	5.0				1	ļ				20.01		₹0.01	<0.01				
S875A-99-22	10.0			<u> </u>	 				_		H 140.01	*0.01	<0.01				
SB75A-99-22	15.0				-	ļ				25 - KO.01		€0.01				<u> </u>	
SB75A-99-23	5.0			ļ	-					<0.01		20,01	<0.01				
SB75A-99-23 SB75A-99-23	10.0			<u> </u>	+			***************************************		<0.01		₹0.01	<0.01		·····		ļ
5875A-99-23	15.0				1						₹0.01		<0.01				
SB75A-99-24	1.5				1	 	1				<0.01	₹0.01	10.01			 	
SB75A-99-24	5.0			<u> </u>	1			**			<0.01		<0.01 <0.01			 	
SB75A-99-24	10.0				1		I				<0.01%		<0.01			 	ł
SB75A-89-24	15.0										STREET & O. O. (2012)		<0.01		·	1-	
SB75A-99-25	1.5							· · · · · · · · · · · · · · · · · · ·		## 40.05		in in colosius	<0.05			 	
S875A-99-25	5.0				1					<0.01		×0.01	<0.01		·····	_	
SB75A-99-25	10.0				1						40.01		<0.01				\vdash
SB75A-99-25	15.1									20.01	### £0.01	mare no imp	€0 01	·			
SB75A-99-26	1.5				1					₹0.01	<0.014	<0.01	×0.01.				
SB75A-99-26	5.0		I		<u> </u>	ļ				<0.01		×0.01	<0.01				
SB75A-99-26	10.0										<0.01		<0.01				
SB75A-99-26	13.5				-					=== €0.01		₹0.01	<0.01				<u> </u>
SB75A-99-27A	1.5		I		 	<u> </u>					10.05 PM		10.0311111				
SB75A-99-27A	5.0 10.0				 				-	<0.01		<0.01	10.01			 	<u> </u>
SB75A-99-27A SB75A-99-28	3.5			——	 		1	*****		<0.01		i c 0.01	<0.01			 	
SB75A-99-28	6.3				 						<0.01%	<0.01	<0.01			 	
SB75A-99-29	1,5		1		 	 	1		+	<0.05	0.078	<0.01	<0.01			-	+
SB75A-99-29	5.0				†			· · · · · · · · · · · · · · · · · · ·		- ct	17	<0.05	 CU.UH 			 	1
S875A-99-29	10.0				1		i			<0.01		<0.01	<0.01			+	
SB75A-99-29	14.8		ļ	ľ				!		40.01		₹0.01	<0.01	·		1	
SB75A-99-30	1.5									ESESTIVATION OF	4.7	BURNETHER				1	
SB75A-99-30	5.0		4							<0.02	0.053	11 /4 2 × 0 .02	<0.02			1	
SB75A-99-30	10.0		}							<0.01	**************************************	×0.01	<0.01		***************************************	1 -	
SB75A-99-30	14.6				ļ					<0.01	<0.01		₹0.01				
SB75A-99-31	2.0				Į	ŧ .	<u> </u>			1,02	0.52	<0.1	. 0.1				

Soil Sampling Results (mg/kg)

SWMU 3-6: Building 75 Former Hazardous Waste Handling and Storage Facility

Concentrations of Organic Constituents and Cyanide

						VOCs		SVOCs	Pesticides & PCBs		PC	9s		Crude/ Waste Oil	TPH-Fuel Identification	Oil & Grense	Cyanide
				cis 1.2-DCE	FCE	TOE	Other Compounds Detected			Aroclor 1232	Aroctor 1242	Araclar 1248	Aroclor 1254				
			PRG	43	5.7	2.8 -				0.22	0,22	0.22	0,22			1	11
Sample ID	Depth (ft)	Date	Lab											:			
SB75A-99-31	5.0	Aug-99	BC							<0.01			₹0.01				
SB75A-99-31	10.0				ļ					<0.01		20,01	<0.01				<u> </u>
SB75A-99-32	3.5 5.0	1		ļ				***************************************		<0.01	£0.01	<0.01	<0.01	i.	**********		
SB75A-99-32 SB75A-99-32	10.0	1	Ì	 						<0.01 60.01	<0.01	<0.01	<0.01			-	├
SB75A-99-32	14.0	1	1							60.01	<0.01 <0.01	<0.01	<0.01			 	
SB75A-99-33	1.5	1	l	-				····	_	<0.01	30.01	**************************************	<0.01			 	
SB75A-99-33	4.7	1	ŀ							20.01	€0.01	<0.01	<0.01		***************************************	 	-
SB75A-99-33	10.0	1	ŀ			***************************************				60.D1	20.01	<0.01	<0.01				
SB75A-99-33	12.5	1	ļ							£0.01	₩ 6 0.01	20.01	**************************************			 	
SB75A-99-34	1.5	1									3,9						
SB75A-99-35	5.0		f							Historia de la composición della composición de	5.2						
SB75A-99-35	10.0									20.01	<0.01	<0.01	<0.01				
SB75A-99-35	12.1			<u> </u>				***************************************		11110.01	0.067	₹0.01	₹0.01				
SB75A-99-36	2.5									20.01	20 01 HE	<0.01	₹0.01			<u> </u>	
SB75A-99-36	4.8			<u> </u>						<0.01	### * 0.01###	20.01	<0.01		···	 	L
SB75A-99-36 SB75A-99-36	9.3 12.5	1								×0.01	<0.01	₹0.01	<0,01				
SB75A-99-36 SB75A-99-37	1.5	1		 						<0.01	<0.01	<0.01	£0.01			ļ	
SB75A-99-37B	6.3	l		i						<0.01	≥0.01 ≥0.01	<0.01 <0.01	<0.01			 	
SB75A-99-37B	10.0	1			 				_	<0.01	<0.01	<0.01	<0.01			-	
SB75A-99-37B	15.0	1			 					<0.01	<0.01	<0.01	<0.01	-			
SB75A-99-38	1.5	Nov-99	BC	İ		***************************************				60.D1	\$0.01	e0 01	<0.01				
SB75A-99-38	5.0	ĺ			1					<0.01	<0.01/	0.01	<0.01			1	\vdash
SB75A-99-38	9.4	1							1	20.01	10.01×0.01	15 11 co.o.i	<0.01			 	
SB75A-99-38	13.8									<0.01	### €0.01	<0.01	<0.01	f		1	
S875A-99-38Comp	<u> </u>		<u> </u>	0.0067	<0.005	⊀0,005:								Í		— —	
MW75-96-20-5.2	5.2	Oct-96	cs	0.42	0.019	0,0077	ccetons=0.27 chlorobonzene=0.03 trans=1,2-DCE=0.008 p-isopropylioluene=0.013 1,2,4-irimelhylbenzene=0.14 1,3,5-trimelhylbenzene=0.04 toluene=0.0062										
MW75-96-20-11	31.0	Feb-97	ĐC	₹0.005	₹0.005	₹0.005	xylenes=0.048								-	-	
MW75-96-20-20.5	20.5	1 20-01	""	<0.005	<0.005	. <0.005 . k0.005									·		
MW75-96-20-30.5	30.5			10 0 005 H	20.005	# KO.00B		#								 	
MW75-96-20-40.2	40.5			<0.005	<0.005	**<0.005								 		1	
MW75-98-20-50.B	50.8			<0.005	<0.005	₩<0.005							******	··		 	
MW75-98-14-5.7	5.7	Sep-98	BC	<0.005	<0.005	<0.005										1	
MW75-98-14-10.2	10.2			KO 005	**CO.005	≠0.005										1	
MW75-98-14-14.1	14.1		-	<0.005	<0.005	<0.005											
MW75-98-14-19.3	19.3			<0.005	× <0.005	#<0.005											
MW75-98-14-24.2	24.2			<0.005	<0.005	<0.005											
MW75-98-14-29.2	29.2			<0.005	<0.005	<0.005							••••				
MW75-98-14-34.2	34.2			<0.005	## <0.005 #	<0.005				ļ		[<u> </u>	
MW75-98-15-9.5	9.5 18.5		1	1 <0.008	20:005	**<0.005		***************************************						ļļ		<u> </u>	ļ
MW75-98-15-18.5 MW75-96-15-28.6	28.6			₹0,005 ₹0,005	<0.005	<0.005 <0.005										-	
MW75-99-4-3.0	3.0	Jul-99	BC	20.005	<0.005	<0.005	Methylene chloride=0.017			1-601-1-15 A 14 A 11 11 11 11	Annonia garanti	mmara (4.25.65)	ades a selective programme				
MW75-99-4-4.5	4.5	301-35		≥0,005		-≺0.005	monylone change=0.017			<0.01 <0.01	<0.01 <0.01	<0.01 <0.01	<0.01			 	

Soil Sampling Results (mg/kg)

SWMU 3-6: Building 75 Former Hazardous Waste Handling and Storage Facility

Concentrations of Organic Constituents and Cyanide

COPCs: Halogenated VOCs, PCBs, Fuel Hydrocarbons, Cyanide

	٠					VOCs		SVOCs	Pesticides & PCBs		P	CBs		Crude/ Waste Oil	TPH-Fuel Identification	Oil & Grease	Cyanide
				cis 1.2-DCE	PCE	TŒ	Other Compounds Detected			Araclor 1232	Aroclor 1242	Aroclor 124	Araclar 1254				
			PRG	43	5.7	2.8		******	-	0.22	0.22	0.22	0.22				11
Sample ID	Depth (f1)	Date	Lab						'					· · · · · · · · · · · · · · · · · · ·			1
MW75-99-4-6.5	6.5	Jul-99	BC	₹0.005	0.009	≈0.005				c0.01	<0.01	- 60.01	<0.01				T
MW75-99-4-9.2	9.2			<0.005	0.019	20,005				<0.01	20 01 T	20,01	<0.01			···	
MW75-99-4-13.5	13.5			20.005	<0.005					<0.01	州海龙0.01 型		<0.01			···	
MW75-99-4-17.0	17.0			i ii≪0.005	<0.005					c0.01	100 HG 0.01 HH	₹0.01	20.01				
MW75-99-4-18.8	18.8			<0.005	<0.006	<0.005			i i	alle: <0.01	<0.01	. €0.01	<0.01				
MW75-99-4-28.5	28.5			<0.005	**<0.005	<0.005		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	j	<0.01	<0.01	<0.01	<0.01				
MW75-99-4-33.7	33.7			<0.005	18 €0.005	<0.005				<0.01	185920,0199	<0.01	**************************************				
MW75-99-6	10.1	Nov-99	æ							<0.01	10,020,01	20.01	₩ 40.01		***************************************	1	
MW75-99-6	13.7									€0.01 III	<0.01	<0.01	10.05				
MW75-99-6	18.9									<0.01	######################################	<0.01	<0.01	İ			
MW75-99-6	23.9]			1				Ĭ	£0.01	F <0.01	<0.01	<0.01				1
MW75-99-6Comp				<0.0D5	₹0.005	₹0.005]			1						
MW75-99-7	19.3	Nov-99	BC		l .					£0.01	100 KO D18	## e0.01	e0.01			-i	
MW75-99-7	23.9]					ļ			<0.01	<0.01	**************************************	<0.01			1	
MW75-99-7Comp]		<0.005	<0.005	<0.005	1										
MW75-99-8	8.3	Dec-99	BC							<0.01	<0.01	<0.01	<0.01				
MW75-99-8	10.5							···	T	THE COLD !	€ cD.01	<0.01	<0.01				
MW75-99-8	15.6]								£0.01	20.01	€0.01	40,01 LL		· · · · · ·		
MW75-99-8	20.6]			1 .	Ī	1	-		<0.01	20.01	€0.01	<0.01			1	
MW75-99-8	25.7]			1			.,		<0.01	10.05	€0.01	×0.01	***************************************			
MW75-99-8	28.1]						I		<0.01	20.01	18 60 D18	₹0.01				
MW75-99-8Comp]		<0.005	<0.005	#<0,005			1			Ì			·		1
MW91-4-S1	5.0	Nov-91	a	<0.005	€0.005	<0.005			Ĭ				<u> </u>				
MW91-4-S2	10.0			<0.005	₹0.005	<0.005			Ì	***************************************	ïI						***************************************
MW91-4-S3	18.5			<0.008	₹0.005	<0.006				j	1	1	1			1	
MW91-4-S4	23.5			<0.005	14.c0.005	<0.005				1	i	1				-1	1
MW91-4-S5	23.5 34.5]	ì	## AD.ODE	₹0.005	: c0,005					1	1	T	1			1
MW91-4-S6		!		<0.005	<0.005	<0.005		i	1	·		1	<u> </u>	· · · · · ·			
MW91-4-S7	44.5 54.5	<u> </u>	<u></u>	<0.005 ™	<0.008	<0.005			1	<u> </u>							

= Not analyzed

ND -

= Not detected above reporting limit (reporting limit shown)

= Not detected above reporting limit (reporting limit varies with analyte) BC = Analysis by BC Laboratories

Q = Analysis by Quanteq Laboratories

CLS = Analysis by California Laboratory Services

PRGs for Residential Soil for Detected Organic Analytes (mg/kg)

Chlorobenzene=150 1,1,1-TCA=770 1.1-DCE=540 Di-n-butyl phthalate=6,100 1,2,4-trimethylbenzene=5.7 Ethylbenzene=230 1,3,5-trimethylbenzene=21 Melhylene chloride=8.9 Acetona=1600 Toluene=520 trans-1,2-DCE=63 Benzyl alcohol=18,000 xylenes=210

Bis(2-ethylhexyl phthatate=35 Butyl benzyl phthalate=12,000

VOCs analyzed by EPA Method 8010, 8020, or 8260

SVOCs analyzed by EPA Method 8270

PCBs analyzed by EPA Method 8080

Fuel Identification analyzed by EPA Melhod 8015M included: Light Napha, Aviation Fuel, Stoddard/White Spirits, Heavy Napha/Ligroin/Petroleum Benzine, Gasoline, JP4, JP5, JP6, JP8, Kerosene/Jet Fuel, Diesel, Crude/Waste Oll, Hydraulic Oll, and WD-40

Oii & Grease analyzed by EPA Method 413.1 Cyanide analyzed by EPA Method 9012

COPCs = Chemicals of Potential Concern

Concentrations shown in bold are above PRGs for residential soit.

Soil Sampling Results (mg/kg)

SWMU 4-3: Building 76 Motor Pool Collection Trenches

Concentrations of Organic Constituents

COPCs: Halogenated VOCs, Fuel Hydrocarbons

						Aroma	tic VOCs		Non-Aromatic VOCs	PAH	Fuels	TPH-D	TPH-G	Oil & Grease	рН
				Benzene	Toluene	Elhylbenzene	Xylenes	Other Aromatics Detected							
			PFIG	0.67	520	230	210								
Sample ID	Depth (ft)	Date	Lab												
SS76S-12-10°	10	RFA		NO	NO:	0.009	0.016		1,1,1-TCA=0,039		THC=1.515	<u> </u>			
SS76S-13-10'	10	RFA		1.283	3.234	0.607	2.519	isopropylbenzene=0.034	NO		THC=16.010				
SS76-94-01-6	6	Jun-94	EC	<0.005	<0.005	<0.005	₹0.01		ND			€20		17,000	
SS76-94-01-11	11			<0.005	<0.005	<0.005	<0.01		ND			٤10	Mare I un	140	
SS76-94-01-18	1 B			<0.005	₹0.005	<0.005	<0.01		NO SEE	***************************************		<10	<1	54	
SS76-94-01-21	21			<0.005	₹0.005	<0.005	<0.01		ייי און און און און און און און און און און			<10	WH2100	9.8	
SS76-94-02-6	6			<0.005	<0.005	×0.005	# <0.01					<10	T15021150	270	1
\$\$76-94-02-15.5	15.5				1.							±10	W <1	90	
SS76-94-02-16	16			<0.005	<0.005	<0.005	<0.01	•	Freon-12=0.0064						···
									Freon-113=0.007						
SS76-94-02-20.5	20.5			<0:005	<0.005	<0.005	<0.01		Freon-12=0.016			·c10	415- <1 /40	92	1
SS76-94-03-5	5			< 0.005	<0.005	<0.005	<0.01		NO			<10	c1	€20	
SS76-94-03-10	10			<0.005	<0.005	<0.005	<0.01		ND III			<10	(1 × 1	<20	
SS76-94-03-15.5	15.5	.		<0.005	<0.005	<0.005	<0.01	-	NO SEE						
SS76-94-03-16	16										***************************************	<10	- 141	<20	
5576-94-03-20.5	20.5			<0.005	<0.006	<0.005	<0.01		MD THE RESERVE						
SS76-94-03-21	21											210	induz en mis	<20	
SB76-95-1-3.1	3.1	Jun-95	BC											∰ €20	
SB76-95-1-7	7				1	Ì								26	1
SB76-95-1-11	11			<0.005	<0.005		<0.01		PCE=0.020		Diesel=11			<20	7.68
SB76-95-1-16.5	16.5												<u> </u>	₹20	
SB76-95-1-21	21			<0.005	<0.005	₩ <0.005	1.<0.01	*	T RCE=0.0072		Diesel=10			<20	8.75
SB76-95-1-25	25											·	<u> </u>	70	U.1. U
SB76-95-2-3.7	3.7												†	98	
SB76-95-2-4.7	4.7									-			1	<20	
SB76-95-2-10.4	10.4			<0.005	<0.005	<0.005	<0.01		NO		ND	i	<u> </u>	32	7.76
SB76-95-2-15.7	15.7				1									46	
SB76-95-2-20.7	20.7			<0.005H	€0.005	₹0.005	₹0.01		NO NO		NO			34	B.34
SB76-95-2-25.2	25.2													56	
SB76-95-3-3	3													190	
SB76-95-3-5.3	5.3								1					30	1
SB76-95-3-8.3	8.3								1					600	
SB76-95-3-10.5	10.5			0.54	< 0.006	1.0	1.1	sec-butylbenzene=0.14	ESSENDATE NO ATENDRALE		Diesel=830		 	490	8.23
ny ny ny ny ny ny ny ny ny ny ny ny ny n					***************************************			isopropylbenzene=0.26						1 400	0.20
- Landanian Company								p-isopropyltoluene=0.37							
								naphthalene=0.83				1	1		1
The same of the sa								n-propylbenzene=0.77							
l man								1,2,4-trimethylbenzene=0.56					1		
- Committee				l	1			1,3,5-trimethylbenzene=1.3					1		
S876-95-3-15.5	15.5													170	1
SB76-95-3-20.7	20.7			<0.005	7 005	<0.005	<0.01		ND		Diesel=11	 	 	44	B.37

Soil Sampling Results (mg/kg)

SWMU 4-3: Building 76 Motor Pool Collection Trenches

Concentrations of Organic Constituents

COPCs: Halogenated VOCs, Fuel Hydrocarbons

						Aroma	tic VOCs	, , ,	Non-Aromatic VOCs	РАН	Fuels	TPH-D	TPH-G	Oil & Grease	рН
				Benzene	Toluene	Ethylbenzene	Xylenes	Other Aromatics Detected							
			PRG	0.67	520	230	210			***************************************					
Sample ID	Depth (ft)	Date	Lab			M	•				 	f		1 <u></u>	
SB76-95-3-26	26	Jun-95	EC									<u> </u>		190	
SB76-95-4-3	3											· · · · · · · · · · · · · · · · · · ·		940	
SB76-95-4-7.3	7.3	·												68	
S876-95-4-10.3	10.3			<0.005	<0.005	<0.005	<0.01		A STATE OF LABOR.	· · · · · · · · · · · · · · · · · · ·	ND			42	7.47
SB76-95-4-15.6	15.6									***************************************				<20	
S876-95-4-21	21			<0.005	<0.005	<0.005	<0.01		AND AND AND AND AND AND AND AND AND AND	·	Diesel=10			<20	8.66
S876-95-5-3	3										***************************************			2000	
SB76-95-5-6.9	6.9													<20	
SB76-96-1-2.5	2.5	Oct-96	CLS	<0.005	<0.006	<0.005	<0.005	NA		ND	Motor Oil=6.9	11	<1.0		
SB76-96-1A-2	2			<0.005	<0.005	<0.005	i.<0.005	NA		NO.	Motor Oil=21	<4.0	€1.0		
SB76-96-1A-5.5	5.5			⊭ <0.005	<0.005	<0.005	<0.005	NA		NO	Motor Oil=25	<4.0	<1.0		
SB76-97-1-0.0		Feb-97	BC	<0.05	<0.05	₹0 ,05	V 6 7		NO.	anthracene=0.023 fluoranthene=0.27 phenanthrene=0.24		450	4 (1) (1)		
SB76-97-1-3.5	3.5				€0,005	0.11	0.029	naphthalene=0.94 n-butylbenzene=0.18		anthracene=0.12 fluoranthene=1.5		4000	61		
								sec-butylbenzene=0.056 Isopropylbenzene=0.051 n-propylbenzene=0.16		phenanthrene=1.5					
				***************************************				p-isopropyltoluene=0,053							
				İ				1,2,4-trimethylbenzene=0.08							
	ļ			2.52002410411025021001	ante diseant succe		22100000000000000	1,3,5-trimethy/benzene=0.12	programme speciments	**					
SB76-97-1-7.5	7.5			₹0:0 05	₹0.00 5	<0.005	<0,01	naphihalene=0.0052 1,2,4-trimethylbenzene=0.011	ON	acenaphihylene=0.11 chrysene=0.030 phenanthrene=0,014		15	1.3		
SB76-97-1-11.5	11.5								NO PROPERTY.	מא		41	<1		

= Not analyzed

= Not detected above reporting fimit (reporting fimit shown)

= Not detected above reporting limit (reporting limit varies with analyte)

BC = Analysis by BC Laboratories

CLS = Analysis by California Laboratory Services

PRGs for Residential Soll for Detected Organic Analytes (mg/kg)

1,1,1-TCA=770

fluoranthene=2300 Freon-113=5600 naphthalene=56 PCE=5700

1,2,4-trimethylbenzene=5.7 1,3,5-trimethylbenzene=21

Freon-12=94

sec-butylbenzene=110

anthracene=22,000 chrysene=62

isopropylbenzene=160 n-propylbenzene=140 VOCs analyzed by EPA Method 8240, 8020, or 8260

PAHs analyzed by EPA Method 8310

Fuel Identification analyzed by EPA Method 8015M Included: Light Naptha, Aviation Fuel, Stoddard/White Spirits, Heavy Naptha/Ligroin/ Petroleum Benzine, Gasoline, JP4, JP5, JP6, JP6, Kerosene/Jet Fuel, Diesel, Crude/Waste Oil, Hydraulic Oil, and WD-40

TPH-Diesel and Gasoline analyzed by EPA Method 8015M

Oil & Grease analyzed by EPA Method 413.1

pH analyzed by EPA Method 9040

COPCs = Chemicals of Potential Concern

Soil Sampling Results (mg/kg)

SWMU 5-4: Building 77 Plating Shop Floor and Sump Concentrations of Organic Constituents and Cyanide

COPCs: Halogenated VOCs, Fuel Hydrocarbons, Cyanide

SVOCs

TPH-Diesel

TPH-Gasoline

Cyanide

pН

VOCs

				PŒ	Other Compounds Detected					
			PRG	5.7						
Sample ID	Depth (ft)	Date	Lab						·	
BS77Plate-94-01-1.5	1.5	Jun-94	BC						<1	8.65
BS77Plate-94-01-2	2			0.50	TCE=0.013		<10	< t		
BS77Plate-94-01-6.5	6.5			0.041			<10	2 1	<1	
BS77Plate-94-01-10.5	10.5			<0.005			<10	<1 ×1	<1	
BS77Plate-94-02-1	1]		0.015			<10	<1	<1	8.66
BS77Plate-94-02-3	3			0.12	1,1-DCA=0.0053 1,1,1-TCA=0.035		<10	4	<1	
BS77Plate-94-02-6	6			0.12			<10	<1	<1	
BS77Plate-94-02-8	8			0.036			<10	<1	<1	
BS77Plate-94-03-1	1			0.040			<10	<1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	<1	8.49
BS77Plate-94-03-3	3]		0.036			<10	<1	<1	
BS77Plate-94-03-6	6			0.067			<10	<1	1 × 21	
BS77Plate-94-03-8	8			0.11	TCE=0.013		<10	er er	<1:00	
BS77Plate-94-04-1	1			<0.005			<10	<1	<1	8.07
BS77Plate-94-04-3	3			0.013			<10	41 141	<1	0.07
BS77Plate-94-04-6	6			0.012			<10	4 1	<1	
BS77Plate-94-04-8	8]		0.015			<10	< (1)	<1.	
BS77Plate-94-05-1	1			0.051			<10	<t< td=""><td><1</td><td>7.96</td></t<>	<1	7.96
BS77Plate-94-05-3	3]		0.016			<10	<1	<1	
BS77Plate-94-05-6	6			0.063			<10	21	<1	
BS77Plate-94-05-9	8			0.041			<10	<1	<1	
SS-77PIExc-98-1-1.8	1.8	Dec-98	BC	<0.005	Methylene chloride=0.012 Styrene=0.0092	Dimethyl phthalate=0.11			<0.5	

Soil Sampling Results (mg/kg)

SWMU 5-4: Building 77 Plating Shop Floor and Sump Concentrations of Organic Constituents and Cyanide

COPCs: Halogenated VOCs, Fuel Hydrocarbons, Cyanide

					VOCs	SVOCs	TPH-Diesel	TPH-Gasoline	Cyanide	pН
				PŒ	Other Compounds Detected		, ,,,			
			PRG	5.7			,,,,,,,			
Sample ID	Depth (ft)	Date	Lab							
SS-77PIExc-98-2-2	2	Dec-98	BC	0.020	Benzene=0.039 Ethyl Benzene=0.0060	ND			<0.5	
SS-77-99-1-1.7	1.7	Dec-99	BC	<0.005					1	
SS-77-99-3-1.7	1.7			<0.005						
SS-77-99-4-1.6	1.6			<0.005						
SS-77-99-5-1.7	1.7			<0.005						
SS-77-00-2-1.4	1.4	Apr-00	BC	₩ <0.005					<0.5	
SS-77-00-3-1.5	1.5	·		0.012				·	<0.5	
SS-77-00-4-1.5	1.5			<0.005					<0.5	
SS-77-00-5-1.3	1.3			0.0091					<0.5	
SS-77-00-6-1.5	1.5			0.042					<0.5	
SS-77-00-7-1.8	1.8			0.023				,		
SS-77-00-8-1.8	1.8			₹0.005						
SS-77-00-9-1.9	1.9			<0.005						· · · · · · · · · · · · · · · · · · ·
SS-77-00-11-1.4	1.4			<0.005					<0.5	
SS-77-00-10-1.5	1.5			<0.005	p-isopropyltoluene=0.0056					

= Not analyzed

= Not detected above reporting limit (reporting limit shown)

PRGs for Residential Soil for Detected Organic Analytes (mg/kg)

1,1,1-TCA=770

1,1-DCA=590

Benzene=0.67

Dimethyl phthalate=100,000

Ethylbenzene=230

Methylene chloride=8.9

Styrene=1700

TCE=2.8

BC = Analysis by BC Laboratories COPCs = Chemicals of Potential Concern

VOCs analyzed by EPA Method 8260 SVOCs analyzed by EPA Method 8270 TPH-Diesel and Gasoline analyzed by EPA Method 8015M Cyanide analyzed by EPA Method 9012 pH analyzed by EPA Method 9040

Soil Sampling Results (mg/kg)

AOC 4-1, 4-2: Building 76 Former Diesel and Gasoline USTs

Concentrations of Organic Constituents

COPCs: Halogenated VOCs, Fuel Hydrocarbons

Sample ID Depth (ft) SS76S-12-10' 10 SS76S-13-10' 10 SW-1 4 T2-W1 14 T2-E1 14 T3-W1 14 T3-E1 14 T3-S2 14.5 T3-SW 10.5 B876-92-25-5.5 5.5	RFA RFA Nov-9		Benzene 0.67	Taluene 520	Ethylbenzene 230	Xylenes 210	Other Aromatics Detected				TPH-Gas	PAH	Grease	pH
Sample ID (ft) SS76S-12-10" 10 SS76S-13-10" 10 SW-1 4 T2-W1 14 T2-E1 14 T3-W1 14 T3-E1 14 T3-S2 14.5 T3-SW 10.5	RFA RFA	e Lab	0.67				Other Alomatics Detected				1 1		ı	1
Sample D (ft) SS76S-12-10" 10 SS76S-13-10" 10 SW-1 4 T2-W1 14 T2-E1 14 T3-W1 14 T3-E1 14 T3-S2 14-5 T3-SW 10.5	RFA RFA	e Lab		1 520	, 250						 			
Sample D (ft) SS76S-12-10" 10 SS76S-13-10" 10 SW-1 4 T2-W1 14 T2-E1 14 T3-W1 14 T3-E1 14 T3-S2 14-5 T3-SW 10.5	RFA RFA		ND I			2.10					11		!	
SS76S-13-10' 10 SW-1 4 T2-W1 14 T2-E1 14 T3-W1 14 T3-E1 14 T3-S2 14.5 T3-SW 10.5	RFA		iii ND											
SW-1 4 T2-W1 1 4 T2-E1 1 4 T3-W1 1 4 T3-E1 1 4 T3-S2 14.5 T3-SW 10.5	··· ·			ial ND	0.009	0.016		1,1,1-TCA=0.039		THC=1.515			ŀ	•
T2-W1 14 T2-E1 14 T3-W1 14 T3-E1 14 T3-E1 14 T3-S2 14.5 T3-SW 10.5	Nov-9	on s	1.283	3.234	0.607	2.519	isopropylbenzena=0.034			THC=16.010				
T2-E1 1.4 T3-W1 1.4 T3-E1 1.4 T3-S2 14.5 T3-SW 10.5			0.016	0.026	0.006	0.03				3.7	<1			1
T3-W1 14 T3-E1 14 T3-S2 14.5 T3-SW 10.5			0.006	0.008	<0.005	0.007					<1			1
T3-E1 14 T3-S2 14.5 T3-SW 10.5			0.008	0.015	<0.005	0,018					<1		1110	1
T3-S2 14.5 T3-SW 10.5		1	0.22	0.03	<0.010	0.042				15	5.3			1
T3-SW 10.5			0.038	0.053	<0.013	0.057	·			7.3	1.7			1
	Nov-9	90 AE	ND	NO:	ND	ND				NO.	NO		····	
BS76-92-25-5 5 5 5				NO		NO.				4,500	NO		j	
20,0 32-20-0.0	Sep-9	92 C		- <0.005	<0.005	#40.005		PERSONAL NO DE CONSER.			<1			1
BS76-92-25-16 16	_			<0.005	<0.005	#20.005#		ND ND						
BS76-92-25-26 26			<0.005	20.005**		₹0.005 1		Chlorotorm=0,026						
BS76-92-25-36 36			<0.005	<0.005	M=401005 M	€0.005		Chloroform=0.047						1
BS76-93-7-5.5 5.5	Aug-9	93 C	(3 ×0.005		10,1<0,005 int	₩ <0:005		College of ND		<1	<1		⊕ <50°	1
BS76-93-7-15.5 15.5	┙	- 1		<0.005	- €0.005 da	< 0.005 ₩		ACCOUNT NO SECURE		<1	<1		<50	T
BS76-93-7-26 2.6	_		€0.005		<0.005			ND		<1	:::::<1::::		<50	
BS76-93-7-35.5 35.5			<0.005	<0.005	≺0.005	<0.005		ND		<1	<1		<50	T
SS76-94-01-6 6	_ Jun-€	94 BC	€0:005	€0.005	ii≪0:006	HARMON CONTRACTOR CONTRACTOR		ND ND		<20	<1`		17,000)
SS76-94-01-11 11	_		<0.005	<0.005	<0.006	<0.01	·	ND		<10	<1		140	
SS76-94-01-18 18	4		<0.005		•••••••••••••••••••••••••••••••••••••	₹0.01		ND		<10	<1		54	
SS76-94-01-21 21	_		= <0.005		<0.005	<0.01		ND		<10	<1		98	
SS76-94-02-6 6	4		×0.005	√<0.005	<0.005	¥0.01	North and Andreas	ND		<10	<1		270	
SS76-94-02-15.5 15.5				China de la companione						<10	<1		90	
SS76-94-02-16 16			<0.005	<0.005	KO 01	₹0.005		Freon-12=0.0064					1	1
	4							Freun-113=0.007	_					
SS76-94-02-20.5 20.5	4		## (0.005	<0:005	<0.005		www.	Freon-12=0,016		<10	196 <1 66	***************************************	92	
SS76-94-03-5 5	4		<0.005	<0.005	<0,005 □	₹0.01		ND		<10	<1		<20	
SS76-94-03-10 10	4		<0.005	<0.005	<0.005	.: ≥0.01	***************************************	ND ND		<10	<1	*****	<20	
S\$76-94-03-15.5 15.5	_	į	<0.005	<0.005	₹0.005	€0.01		ND						
SS76-94-03-16 16			(4):44-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Total and a second sectors		NSS14400110/117/15996		manufactures at a 22 cm of 1000		<10	< 1		<20	4
SS76-94-03-20.5 20.5		-	<0.005	<0.005	<0.005	****<0:01:45		NO CONTRACTOR						—
SS76-94-03-21 21	+									<10	<1		<20	
BS-SB-76-95-1-3.1 3.1	Jun-9	95 BC		 	ļ								<20	<u> </u>
BS-SB-76-95-1-7 7	-		*******************	SEGRESAL CONTRACTOR CONTRACTOR	- COMPANIENT PERSONNE VENEZ CANCIAN	FERROZEA ATERIJE DO SKIBIJA.							26	
BS-SB-76-95-1-11 11	-	İ	₹0.005	<0.005	<0.005 Hit	<0.01		PCE=0.020	Diesel≂11				<20	7.68
BS-SB-76-95-1-16.5 16.5	-	- }	STREET	TOTAL PROPERTY.	ing normal and in fact.	88.09 4 022406	******		B/ / :-				<20	
BS-SB-76-95-1-21 21	-		<0.005	<0.005	4<0.006 iiii	<0.01		PCE=0.0072	Diesel=10		 		<20	8.75
BS-SB-76-95-1-25 25	\dashv		-		-		**				 		7.0	
BS-SB-76-95-2-3.7 3.7 BS-SB-76-95-2-4.7 4.7				 	 								98	
			<0.005	100 A 862	lana again	(Martin Caracal Caracal Caracal Caracal Caracal Caracal Caracal Caracal Caracal Caracal Caracal Caracal Caraca		and the state of the state of the state of		****			<20	4
BS-SB-76-95-2-10.4 10.4 BS-SB-76-95-2-15.7 15.7	-		86 <01005 (6)	<0.005	<0.005	<0.01		ND ND	ND		ļ <u>-</u>		32	7.76
				100000	<0.005	antegraryinan		jásássák ette No jur (jásákset).			 		46	+
BS-SB-76-95-2-20.7 20.7 BS-SB-76-95-2-25.2 25.2			<0.005	I SE KULUUD IN	- KULUUD	<0.01		ND	ND deliberation			***************************************	34 56	8.34

Table C3.4-1 Soil Sampling Results (mg/kg)

AOC 4-1, 4-2: Building 76 Former Diesel and Gasoline USTs

Concentrations of Organic Constituents

COPCs: Halogenated VOCs, Fuel Hydrocarbons

														Oil &	
					Ι		atic VOCs		Non-Aromatic VOCs	Fuel Identification	TPH-Diesel	TPH-Gas	PAH	Grease	pН
				Benzene	Toluene	Ethylbenzene		Other Aromatics Detected							L
	·		PRG	0.67	520	230	210				<u> </u>	<u> </u>			
Sample ID	Depth (ft)	Date	Lab												
BS-SB-76-95-3-3	3	Jun-95	EC			, i								190	
BS-SB-76-95-3-5.3	5.3													30	
BS-SB-76-95-3-8.3	8.3													600	
BS-SB-76-95-3-10.5	10.5			0.54	iii €0.05 iiii	1.0	1.1	sec-bulyibenzene=0.14 isopropyibenzene=0.26 p-isopropyitoluene=0.37 naphthalene=0.83	With the second considerable of the second consi	Diesel=830				490	8.23
					***************************************			n-propylbenzene=0.77 1,2,4-trimethylbenzene=0.56 1,3,5-trimethylbenzene=1,3							
BS-SB-76-95-3-15.5	15.5													170	
BS-SB-76-95-3-20.7	20.7			€0.005	c0:005	<0.005	# KO:01#		alian in Ear no and an any an	Diesel=11		1		44	B.37
BS-SB-76-95-3-26	26				<u> </u>									190	
BS-SB-76-95-4-3	3									"				940	
BS-SB-76-95-4-7.3	7.3													68	
BS-SB-76-95-4-10.3	10.3				<0.005	-i-<0.005	⊉ 10.01		ND	Zia ND				42	7,47
BS-SB-76-95-4-15.6	15.6													<20	
BS-SB-76-95-4-21	21			<0.005	<0.005	<0.005	₹0.01		ND ND	Diesel=10				<20	8.66
BS-SB-76-95-5-3	3													2,000	
BS-SB-76-95-5-6.9	6.9									<u> </u>				<20	
BS-W76-97-3-16	16	Feb-97	BC		iii<0.005			· · · · · · · · · · · · · · · · · · ·	ND		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22. <1	Per la Cara ND In the Table		
BS-W76-97-3-21	21			<0.005	<0.005	₹0.005 W	<0.01		PERSONAL MODERNICATIONS		1.4	<1	ND.		I
BS-W76-97-3-26	26			₹0.005	<0.005	i#i⊀0.006	# 10:03 #		ND		1.2	<1	A SERVICE NO REPORT OF THE PARTY OF THE PART		
BS-W76-97-3-31	31			₹0:005	₹0.005		20.01		of the composition		1.8	<1	Eri of element ND / Sciric		
BS-W76-97-3-36	36			<0.005	<0.005≈	<0.006			ND		<100°	<1	MD MO		
BS-W76-97-4-16	16			2 < 0.005	€0.005	<0.005	£0.01:4		ND		1.5	<1	ROPERA PROTECTION DANGERS AS A SECOND	<u> </u>	
BS-W76-97-4-21	21			<0.005		<0.006	₹0.01		ND		1.8	<1	担心と 部 / ND 社	ļ	<u> </u>
BS-W76-97-4-26	5.6			<0.005			i≓k0.01⊞	sec-butylbenzene=0.0059	THE PERMIT		310	5.6	Anthracene=0.011 Fluoranthene=0.21 Phenanthrene=0.028		
BS-W76-97-4-31	31			<0.005		,,	<0.01		ND ND		2.6	<1	ND nd		
BS-W76-97-4-38.5	38.5			40.005	K0.005		₹0.01		ND	1	3.1	<1	ND*		
BS-W76-97-5-16	16			<0.008	<0.005	<0.005	<0.01		ND	ļ	<1	<1	Benzo(b)fluoranthene=0.012		
BS-W76-97-5-21	21			<0.005	≈0.005	40.005	₹0.01	*	ND	<u> </u>	图 / <1/20	<1	Benzo(b)fluoranthene=0.0084		
BS-W76-97-5-26	26			@<0.005	€0.005	<0.005 4		T100	TOSSEC TO NO.	ļ	150 c < 1 5 0	<1	EStrate ND - 1 - 6 - 1 - 1	<u> </u>	4
BS-W76-97-5-31	31			<0.005⊕	-#<0:005	e0.005	÷:c0.01		ND ND		- <1 · · ·	<1	ND		1
BS-W76-97-5-35	3.5	F	 	#<0.005≈	<0.005		//:1<0/01		ND		20 <1 -1	· ·<1	ND	<u> </u>	
BS-SB76-97-1-0	0	Feb-97	BC	<0.05	<0.05	(1,00,05	E ≥011 E		ZELETE NO.		450	: <1:°	Anthracene=0.023 Fluoranthene=0.27 Phenanthrene=0.24		

Soil Sampling Results (mg/kg)

AOC 4-1, 4-2: Building 76 Former Diesel and Gasoline USTs

Concentrations of Organic Constituents COPCs: Halogenated VOCs, Fuel Hydrocarbons

Aromatic VOCs Non-Aromatic VOCs Fuel Identification TPH-Diesel TPH-Gas PAH Grease pH

Benzene Toluene Ethylbenzene Xylenes Other Aromatics Detected PPG 0.67 520 230 210 Union Control of the Control of

			17763	U.67	520	230	210	<u> </u>		1		I I	
Sample ID	Depth (ft)	Date	Lab									,	 -1
BS-SB76-97-1-3.5	3.5	Feb-97	EC	::≤0 :Q05	±0,005	0.11	0.029	n-butylbenzene=0.18	ND	4,000	61	Anthracene=0.12	
								sec-butylbenzene=0.056				Fluoranthene=1.5	
								lsopropylbenzene=0.051				Phenanthrene=1.5	
								p-Isopropyltotuene=0,053				<u>"</u>	
				1				Naphthalene=0.94					
								n-Propylbenzene=0.16	1				
								1,2,4-Trimethylbenzene=0.08					
		!						1,3,5-Trimethylbenzene=0.12				<u> </u>	
BS-SB76-97-1-7.5	7.5			€0,005	<0.005	<0.005	40.01 B	Naphthalene=0.0052	ND	15	1.3	Acenaphthylene=0.11	
				Į.	1			1,2,4-Trimethylbenzene=0,011				Chrysene=0.03	
	1											Phenanthrene=0.014	
BS-SB76-97-1-11.5	11.5			ļ	<u> </u>				ND		<1	ND I	
BS-SB76-97-2-3.5	3.5			0.33	≤0.2	1,6	1.6	п-butyibenzene=0.71	ND	6100	420	Phenanthrene=6.0	
				1	j .			sec-butylbenzene=0.27					
				1	}			lsopropylbenzene=0.28				· · ·	
]			Naphthalene=3.7	***				
								n-Propylbenzene=0.95	***************************************				
		1						1,2,4-Trimethylbenzene=1.8	***************************************				
		ĺ						1,3,5-Trimethylbenzene=1,2					
BS-SB76-97-2-7.5	7.5			# c0.03	<0.03		₩<0.06	Naphthalene=0,042		280	7.7	Phenanthrene=0.4	
BS-SB76-97-2-11.5	11.5			<0.005	<0.005	c0.005	<0.01		GESERATE ND POST TO LEG	3	<1	Chrysene=0.023	

= Not

= Not analyzed

= Not detected above reporting limit (reporting limit shown)

NO detected above reporting limit (reporting limit varies with analyte)

BC = Analysis by BC Laboratories

AE = Analysis by American Environmental Laboratories

S = Analysis by Sequoia Analytical

VOCs analyzed by EPA Method 8240 or 8260

Fuel Identification analyzed by EPA Method B015M Included: Light Naptha, Aviation Fuel, Stoddard/White Spirits, Heavy Naptha/Ligroin/Petroleum Benzine, Gasoline, JP4, JP5, JP6, JP8, Kerosene/Jet Fuel, Diesel, Crude/Waste Oil, Hydraulic Oil, and WD-40

TPH-Diesel and Gasoline analyzed by EPA Method 8015M PAHs analyzed by EPA Method 8310 Oil & Grease analyzed by EPA Method 413.1 pH analyzed by EPA Method 9040

COPCs = Chemicals of Potential Concern

Concentrations shown in bold are above PRGs for residential soil,

PRGs for Residential Soil for Detected Organic Analytes (mg/kg)

 1.1.1-TCA=770
 Freon-113=5600

 1.2.4-trimethylbenzene=5.7
 Freon-12=94

 1.3.5-tr/methylbenzene=21
 isopropylbenzene=160

 anthracene=22,000
 n-propylbenzene=140

 benzo(b)fluoranthene=0.62
 naphthalene=56

 Chloroform=0.24
 PCE=5700

 chrysene=62
 sec-butylbenzene=110

fluoranthene=2300

Soil Sampling Results (mg/kg)

AOC 5-4: Building 77 Sanitary Sewer System

Concentrations of Organic Constituents and Cyanide

						voc	S		BTEX	Fuel Identification	Oil & Grease	Cyanlde
				cis 1,2-DCE	1,1-DCA	POE	TCE	Other Compounds Detected				
			PRG	43	590	5.7	2.8					
Sample ID	Depth (ft)	Date	Lab							<u> </u>		
SS77S-19-9.0	9	RFA				ND	III ND			ND (THC)		
SS77E-04C-?	. "'	RFA		MD	# ND	0.014	ND:			THC=0.07		
SS77E-3-6.5	6.5	Feb-92	Q	0.011	0.024	0.007	### <0.005 ##					
BS79-1-15.5	15.5	Aug-92	C	<0:005	≈0.005	<0.005	<0.005					
BS79-2-11.5	11.5			<0.005	<0.005	**************	<0.005					
BS79-2-18.5	18.5			*************		*************************************	##K0.005	Chlorofarm=0.0083				
MW91-1-5	5	May-91	MT	<0.005	<0.005	<0.005	<0.005					<0.4
MW91-1-10	10			<0.005	<0.005	40.005	<0.005					<0.4
MW91-1-15	15			<0.005			₹0.005					≼0.4
MW91-1-20	20			<0.005		<0.005						<0,4
MW91-1-25	25			<0.005		<0.005	<0.005					<0,4
MW91-1-31.5	31.5			<0.005	<0.005	<0.005	<0.005					1,0
MW91-1-35	35			<0.005	<0.005		# 0.005					<0.4
MW91-1-39.5	39.5			<0.005		<0.005	# 40:005					# (# <0.4
MW91-2-5	5	May-91	MT	₩ 4 0.005		##<0.005						
MW91-2-10	10			<0.005	<0.005	W-0.005	₹0,005					
MW91-2-15	15			<0.005	< 0.005	₹0.005	<0.005					
MW91-2-20	20			<0.005	<0.005	<0.005	<0.005					
MW91-2-30.5	30.5			<0.005		<0.005	<0.005					
MW91-2-35.5	35.5			<0.005	<0.005	<0.005	<0.005					
MW91-2-40.5	40.5			<0.005	<0.005	₩ . <0.005	<0.005					
MW91-2-45	45			<0.005	<0.005	₩ < 0.005	<0.005					
MW91-2-60.5	60.5			<0.005	<0.005	<0.005	<0.005					
MW77-92-10-5.8	5.8	Mar-92	Q	<0.005	<0.005		<0.005		ND:			
MW77-92-10-10.5	10.5			<0.005	<0.005	<0.005	<0.005		ND.			
MW77-92-10-15.3	15.3			<0.005	<0.005	<0.005	<0.005		ND			
MW77-92-10-21	21			<0.005	<0.005	<0.005	<0.005		ND			
MW77-92-10-31	31			<0.005	<0.005				DA			
MW77-92-10-40.3	40.3			<0.005	<0.005		<0.005		ND			
MW77-92-10-50.5	50.5		:	<0.005	<0.005	<0.005	<0.005		ND III			
MW77-92-10-71	71			<0.005	<0.005	<0.005	<0.005		ND III			
SB77-94-1-3.8	3.8	Apr-94	BC	0.010	0.068	0.12	0.094			ND	<20	<1.0
SB77-94-1-9.2	9.2			<0.005	<0.005	<0.005	<0.005			ND PROFESSION	<20	<1.0
SB77-94-1-13.7	13.7		:	<0.005	<0.005	<0.005	<0.005			Crude Oil=150	120	<1.0
SB77-94-2-4	4			<0.005	<0.005		<0.005			ND	22	<1.0

Soil Sampling Results (mg/kg)

AOC 5-4: Building 77 Sanitary Sewer System

Concentrations of Organic Constituents and Cyanide

COPCs: Halogenated VOCs, PCBs, Fuel Hydrocarbons

			Voc	s		BTEX	Fuel Identification	Oil & Grease	Cyanide
	cis 1,2-DCE	1,1-DCA	PŒ	TCE	Other Compounds Detected				
PRG	43	590	5.7	2.8					

Sample ID	Depth (ft)	Date	Lab						.,,		
SB77-94-2-8.7	8.7	Apr-94	BC	<0.005	0.021	<0.005	<0.005		ND	<20	<1.0
SB77-94-2-13.7	13.7			<0.005	<0.005	<0.005	<0.005		DON	<20	<1.0
SB77-94-2-18.9	18.9			<0.005	<0.005	<0.005	₹0.005		ND	<20	<1.0
MW77-94-5-4.3	4.3	May-94	BC	<0.005	<0.005	<0.005	<0.005				
MW77-94-5-9.3	9.3			<0.005	<0.005	<0.005	<0.005				
MW77-94-5-14.1	14.1					<0.005					
MW77-94-5-19	19			<0.005	<0.005	₹0.005	0.005				
MW77-94-5-29.5	29.5			集 10.005 開 相	<0.005	<0.005	<0.005				
MW77-94-5-38.9	38.9			₩ ₹ 0.005	<0.005	₹0.005	<0.005				
MW77-94-5-48.5	48.5			<0.005	<0.005	<0.005	<0.005				
MW77-94-5-58.5	58.5			<0.005	<0.005	<0.005	<0.005				
MW77-94-6-3.7	3.7	May-94	BC	<0.005	<0.005	<0.005	<0.005				
MW77-94-6-9.3	9.3			<0.005							
MW77-94-6-14.2	14.2					€0,005	iiii.≪0.005⊯≘.				
MW77-94-6-24.2	24.2			<0.005	<0.005	*** 0:005	f⊪ <0.005 □				
MW77-94-6-34	34			<0.005	<0.005	<0.005	fil <0.005				
MW77-94-6-44	44			<0.005	<0.005	<0.005	<0.005				
MW77-94-6-54.5	54.5			<0.005	<0.005	<0.005	<0.005				
MW77-94-6-63.5	63.5			<0.005	<0.005	<0.005	<0.005				
MW77-97-10-4.3	4,3	May-97	BC	<0.005							
MW77-97-10-14.2	14.2			<0.005		<0.005	<0.005				
MW77-97-10-24.5	24.5					<0.005					- ***
MW77-97-10-33.5	33.5			# <0.005 ####	<0.005	<0.005	<0.005				
MW77-97-10-45	45			 	€0.005	<0.005	₹0.005				

= Not analyzed

= Not detected above reporting limit (reporting limit shown)

= Not detected above reporting limit (reporting limit varies with analyte)

BC = Analysis by BC Laboratories

C = Analysis by Chromalab

Q = Analysis by Quanteq Laboratories

MT = Analysis by MedTox Associates

PRGs for Residential Soil for Detected Organic Analytes (mg/kg)

Chloroform≃0.24

VOCs analyzed by EPA Method 8010, 8240, or 8260

BTEX analyzed by EPA Method 8020

Oil & Grease analyzed by EPA Method 413.1

Cyanide analyzed by EPA Method 9012

Fuel Identification analyzed by EPA Method 8015M included: Light Naptha, Aviation Fuel, Stoddard/White Spirits, Heavy Naptha/Ligroin/Petroleum Benzine, Gasoline, JP4, JP5, JP6, JP8, Kerosene/Jet Fuel, Diesel, Crude/Waste Oil, Hydraulic Oil, and WD-40

RFA = RCRA Facility Assessment

COPCs = Chemicals of Potential Concern

Table C3.6-1 Soil Sampling Results (mg/kg) Chicken Creek Former Poultry Research Station Concentrations of Organic Constituents

01/00-

	·				SVOCs	Pestic	ides and PCBs
						4,4-DDE	4,4-DDT
				PRG		1.7	1.7
Location	Sample ID	Depth (ft)	Date	Lab			
Poultry	SS-CKPit-97-1A-2.5	2.5	Feb-97	BC	ND	0.0003	0.0006
Research Pit	SS-CKPit-97-2A-2.5	2.5			ND	0.0003	0.0003
	SS-CKPit-97-3A-2	2			ND	0.0006	0.0010
	SS-CKPit-97-4A-2	2			ND	<0.0002	<0.0002
	SS-CKPit-97-5A-5	5			ND	<0.0002	<0.0002
	SS-CKPit-97-6A-5	5			ND	<0.0002	<0.0002
	SS-CKPit-97-7A-5	5			ND	<0.0002	<0.0002
	SS-CKPit-97-8A-4.5	4.5			ND	<0.0002	<0.0002
	SS-CKPit-97-9A-5	5			ND	<0.0002	<0.0002

< ND

BC = Analysis by BC Laboratories

SVOCs analyzed by EPA Method 8270 Pesticides and PCBs analyzed by EPA Method 8080

⁼ Not detected above reporting limit (reporting limit shown)

⁼ Not detected above reporting limit (reporting limit varies with analyte)

Table C3.7-1 Soil Sampling Results (mg/kg) Grizzly Electrical Substation Concentrations of Organic Constituents

					BTEX	PCBs	TPH-Fuel Identification	PAH
						Aroclor 1260		
				PRG		0.22		
Location	Sample ID	Depth (ft)	Date	Lab				
Grizzly	SS-GS-98-1-1.75	1.75	Jun-98	BC		<0.01		
Substation	SS-GS-98-2A-0.5	0.5				<0.01		
	SS-GS-98-2B-0.5	0.5				<0.01		
	SS-GS-98-2C-2	2				<0.01		
	SS-GS-98-2D-3.5	3.5				<0.01		
	SS-GS-98-3-1.2	1.2		i [<0.01		
	SS-GS-98-4-1.8	1.8				< 0.01		
	SS-GS-98-5-0.8	0.8				< 0.01		
	SS-GS-98-6-0.75	0.75				< 0.01		
	SS-GS-98-7-0.7	0.7				< 0.01		
	SS-GS-98-8-0.7	0.7				<0.01		
	SS-GS-98-9-0.8	0.8				< 0.01		
	SS-GS-98-10-1.6	1.6		i [<0.01		
	SS-GS-98-11-1.6	1.6				<0.01		
	SS-GS-98-12-1.5	1.5				< 0.01		
	SS-GS-98-13-1.5	1.5				<0.01		
	SS-GS-98-14-0.7	0.7				<0.01		
	SS-GS-98-15-0.9	0.9				<0.01		
	SS-GS-98-16-0.7	0.7				0.017		
	SS-GS-98-17-1.5	1.5				<0.01		
	SS-GS-98-18-1.4	1.4			-	<0.01		
	SS-GS-98-18-1.9	1.9			ND			nD.
	SS-GS-98-19-0.9	0.9		[0.018		

Table C3.7-1 Soil Sampling Results (mg/kg) Grizzly Electrical Substation Concentrations of Organic Constituents

					BTEX	PCBs	TPH-Fuel Identification	PAH
						Aroclor 1260		
				PRG		0.22		
Location	Sample ID	Depth (ft)	Date	Lab				
Grizzly Substation	SS-GS-98-19-1.4	1.4	Jun-98	BC	ND		Diesel=190 Hydraulic/Motor Oil=130	ND
	SS-GS-98-20-1.3	1.3		r	ND			ND
	SS-GS-98-21-1	1					Diesel=20 Crude/Waste Oil=57	
	SS-GS-98-22-1.4	1.4					Hydraulic/Motor Oil=52	
	SS-GS-98-23-0.9	0.9					ND	
	SS-GS-98-24-1	1				<0.01	Hydraulic/Motor Oil=66	ND

< ND

= Not detected above reporting limit (reporting limit shown)

= Not detected above reporting limit (reporting limit varies with analyte)

= Not analyzed

BC = Analysis by BC Laboratories

BTEX analyzed by EPA Method 8020

PCBs analyzed by EPA Method 8080

Fuel Identification analyzed by EPA Method 8015M, Included: Light Naptha, Aviation Fuel, Stoddard/White Spirits, Heavy Naptha/Ligroin/Petroleum Benzin, Gasoline, JP4, JP5, JP8, Kerosene/Jet Fuel, Diesel, Crude/Waste Oil, Hydraulic/Motor Oil, and WD-40 PAHs analyzed by EPA Method 8310

Table C3.8-1
Other Soil Sampling Results (mg/kg)
Concentrations of Organic Constituents and Cyanide

					VOCs	Cyanide
				PRG	cis-1,2-DCE=43 PCE=5.7	11
Location	Sample ID	Depth (ft)	Date	Lab		
Building 69A	BS-SB69A-99-1-3	3	Oct-99	ВС	ND 4 COLUMN	
	BS-SB69A-99-1-5.5	5.5			ND	
	BS-SB69A-99-1-10.3	10.3			ND	
	BS-SB69A-99-1-14.2	14.2			ND	
	BS-SB69A-99-1-19.3	19.3			NO STATE OF THE PROPERTY OF TH	
	BS-SB69A-99-1-23.8	23.8			ND 45	
	BS-SB69A-99-1-29.3	29.3			cis-1,2-DCE=0.0083	
	BS-SB69A-99-1-34.1	34.1			cis-1,2-DCE=0.0059	
Building 77	SS-77-99-1-1.7	1.7	Dec-99	ВС	ND	
	SS-77-99-3-1.7	1.7			ND	
	SS-77-99-4-1.6	1.6			ND	
	SS-77-99-5-1.7	1.7			ND	
	SS-77-00-2-1.4	1.4	Apr-00	ВС	ND	<0.5
	SS-77-00-3-1.5	1.5			PCE=0.012	<0.5
	SS-77-00-4-1.5	1.5			ND	<0.5
	SS-77-00-5-1.3	1.3		;	PCE=0.0091	<0.5
	SS-77-00-6-1.5	1.5			PCE=0.042	<0.5
	SS-77-00-7-1.8	1.8			PCE=0.023	
	SS-77-00-8-1.8	1.8			ND	
	SS-77-00-9-1.9	1.9			ND	

Table C3.8-1 Other Soil Sampling Results (mg/kg) Concentrations of Organic Constituents and Cyanide

					VOCs	Cyanide
				PRG	cis-1,2-DCE=43 PCE=5.7	11
Location	Sample ID	Depth (ft)	Date	Lab		
Building 77	SS-77-00-11-1.4	1.4	Apr-00	BC	ND	<0.5
	SS-77-00-10-1.5	1.5			p-isopropyltoluene=0.0056	
SB31-97-1	BS-SB31-97-1-RecompA		Sep-97	BC	ND	
SB31-97-2	BS-SB31-97-2-RecompA				ND	
SB31-97-3	BS-SB31-97-3-RecompA				ND	

	=	Not	analyzed							
	=	Not	detected	above	reporting	limit	(reporting	limit	shown)	
ND	=	Not	detected	above	reporting	limit	(reporting	limit	varies with a	ınalyte)

BC = Analysis by BC Laboratories VOCs analyzed by EPA Method 8260 Cyanide analyzed by EPA Method 9012

Table C4.3-1
LBNL Groundwater Monitoring Well Results
Volatile Organic Compounds - EPA Method 8260
(concentrations in μg/L)

		MW91-1 (w	ell is on a	nnual samp	ling)										
Constituent	MCL	Nov-92	Mar-93	May-93	Aug-93	Nov-93	Mar-94	Aug-94	Feb-95*	Sep-95	Mar-96	Mar-97	ป นก-97	May-98*	May-99
Aromatic and Non-Halo	genate	d Hydrocar	bons												
Benzene	1	<5	200 < 1 200		<1	(C) (< 16.00)	<1		<0.5	<1	- <1	<1	44 41 4 ab	<0.5	144<14
n-Butylbenzene		<5	<1	<1	<1	121	5 % < 1 5 %	<1	< 0.5	<1	<2	<1	70 - (1 0 -	<0.5	<1
sec-Butylbenzene		<5	# 21	111	1	1	774	~1 ~	<0.5	<1	<2	<1	** < 1 · *	<0.5	<1
ter-Butylbenzene		<5		<1	*** <1	<1	1441	<1	<0.5	<1	<2	<1	<1	<0.5	<1.
Ethylbenzene	700	<5	<1	<1	<1	<1	<1	<1	<0.5	Se <1	<2	<1	<1	<0.5	<1
Isopropylbenzene		<5	<1	7	<1	<1	<1	<1	<0.5	<1	S<1	<2	<2	<0.5	<2
p-isopropyltoluene		<5	<1	*	<1	<1	<1		< 0.5	<1		<1	<1	<0.5	<1
Naphthalene		<5	<1.	<1	<1	<1	<1	<1	< 0.5	<1	୍ ୍ 1	<2	<2	<0.5	<2
n-Propylbenzeлe		<5	<1	\	<1	<1	<1	<1	<0.5	<1	<2	%:-<1 -00	<1	<0.5	<1
Toluene	150	<5	<1		40 5 < 1 700 0	<1	<1	~ <1	< 0.5	<1	7 - <1 - 3	~~~ < 1 *****	20041	< 0.5	<1
1,2,4-Trichlorobenzene	70	<5	<1	255 <1 25	<1	<1	274 <1 28	<1	<0.5	~1 00	<1	<1	# H<1	< 0.5	<1
1,2,4-Trimethylbenzene		<5	1986	<1		<1	<1	<1	< 0.5	***	<2	111 (111 (1	<1	<0.5	<1
1,3,5-Trimethylbenzene		<5	***<1	<1	144-149	<1	美久さ	<1	<0.5	<1	<2	<1	- <1 11	<0.5	<1
Xylenes, total	1750	<5	<1	<1		<1	<1	<1	***<1	34 31 11	<2	<2	<2	<1	<2
Total Aromatic Hydrocar	bons														
Halogenated Non-Aroma	atic Hy	drocarbons	3						•••				•		
Carbon Tetrachloride	0.5	<5	*** <1	<1	<1	<1	<1.0	<1	<0.5	<1	<1	<1	<1	<0.5	<1
Chloroform	100	<5	## <1	1 < 1 = 2 = 2	## <1 ##	<1		<1	<0.5	<1	33 < 1	<1	<1	<0.5	<1
1,1-Dichloroethane	5	<5	- K	<1		(<1 ****	**************************************	<1	<0.5	<1	<1	<1	<1	<0.5	<1
1,2-Dichloroethane	0.5	<5	<1	***	martin (1) (100)	<1	~1	<1	< 0.5	<1	35 < 1	<2	<2	<0.5	<2
1,1-Dichloroethene	6	<5	<1	< 12.2		1	2 1	<1	<0.5	<1	<1	<1	<1	<0.5	<1
cis-1,2-Dichloroethene	6	<5	1	<1		<1	<1	<1	<0.5	<1	ং ।	<	<13	<0.5	<1
trans-1,2-Dichloroethene	10	<5	<1	<1	1.64		~1	<1	< 0.5	<1	<1	<1::-	< 1 5	<0.5	<1
Methylene Chloride	5	<5	. <1	<10.5		×1-	* 1	<1	<1	~1	<1	<1	<1	<1	<1
Tetrachloroethene	5	<5	<1	- (1 55)	### <1 500	100 < 1 0.00		<1	<0.5	<1	<1	<10.5	- <15-1	<0.5	<1
1,1,1-Trichloroethane	200	<5	9 1 1	<1	900641	<1	54 24 1 4 5 5	<1	<0.5	<1	:: <1 :::::::::	3/4 <1 %3	<1	<0.5	<1
1,1,2-Trichloroethane	5	′ <5		:: <1 :::5		<10	9721		< 0.5		< 1	55 <1 ***	<10	<0.5	***<1
Trichloroethene	5	<5	6/4<1 €	<1		<1	<1	<1	< 0.5	<1		<1	<1	<0.5	-:::<1
Freon-113	1200	<0.6	<1	<1	<1	<1	196	<1	<0.5	<5	**** <1 ****	<1	<1	<0.5	<1
Vinyl Chloride	0.5	<5	<1::-	<1	1 (1	<1	21	<1	<0.5	<1	্ৰ	<1	<1	<0.5	<1
Total Halogenated Hydrocar	bons														
Total Concentration of Ve	OCs													 	
					·				l				<u> </u>	<u> </u>	

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

= Less than Quantitation Limit

^{* =} Analysis by BC Laboratories

Table C4.3-1 (Cont'd)

LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		MW91-2	(well is	on sem	i-annual	samplin	g)													···		
Constituent	MCL	Nov-92	Mar-93	Jun-93	Aug-93	Nov-93	Mar-94	May-94	Sep-94	Nov-94*	Feb-95*	Sep-95	(D)*	Маг-96	Aug-96	Mar-97	Sep-97	Mar-98	Sep-98	Маг-99	Sep-99	Mar-00
Aromatic and Non-Halog	genate	d Hydro	carbons															 				
Benzene	1	<5	<1	## *1 #			100	## 2	टाड	<0.5	<0.5	10 ~1 0 m	<0.5	9-<1	<1	<1	<1	** <15×	<1	<1	~ 1	<1
n-Butylbenzene		< 5	€ < 1	1	<1	98 41 18	1 21	*	## < 1	<0.5	<0.5		<0.5	<2	W<17	/ *1	<1	<1	< 10	<1	<1	<1
sec-Butylbenzene		<5	**************************************	44<14	<1		<1	***	<1	<0.5	<0.5	*	<0.5	<2	<1	<1	<1	<1	<1	<1	<1	<1
ter-Butylbenzene		<5	## <1##		<1		11741	阿米 打造	11	<0.5	<0.5	V	<0.5	<2	~1	<1	5.₹1	<1	<1	<1	<1	<1
Ethylbenzene	700	<5	11	41	128	#21#	## 21 ##	***	# 61	<0.5	<0.5	<1	<0.5	**<2	# < 1 #	- - 1	<1-	<1	<1	<1	<1	<1
Isopropylbenzene		₹5	<1.		<1	241	<1	100	<1	<0.5	<0.5		<0.5	<1	<2	<2	<2	<2	<2	<2	<2	<2
p-Isopropyltoluene		<5	<1	114	<1	~1	**<1	*** *********************************	<1	<0.5	<0.5	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalene		<5	11 <131	<1	<1	<1	<1	41 %	<1	<0.5	<0.5	∴<1	<0.5	<1	<2	<2	· <2	<2	<2	<2	<2	<2
n-Propylbenzene		<5	1	<1	<1	<1	<1	10<1		<0.5	<0.5	<1	<0.5	<2	<1.	<1	<1:	<1	<1	<1	<1	<1
Toluene	150	<5	-<1	<1	<1	<1	< 1	<1	据 <1 册	<0.5	<0.5	# <1	<0.5	- <1	<1	<1	<1	<1	<1	~:1	<1	<1
1,2,4-Trichlorobenzene	70	<5	<1	<1	<1	<1	<1	<1 ::	iii.<1	<0.5	<0.5	5. <1 5	<0.5	<1	: <1 ·	65 <1 00	<1	# < 1 ×	e2< 14.4	15 <1 0	<1	<1
1,2,4-Trimethylbenzene		<5%	<1	<1	155 < 1 55	H <1	€ (1 %)	# <1	# <1 #L	<0.5	<0.5	<14	<0.5	<2	<1.0	<1=	20 < 1 0	<1	<1	~1	<1	<1
1,3,5-Trimethylbenzeле		14459	: 1 686	# :<1	# < 1 /s	<1	○ <100	#<1 #	<1.0	<0.5	<0.5	₹1 %	<0.5	<2	·· <1	% <1 %	<1	<1	<1	<1	<1	<1
Xylenes, total	1750	<5	1	# 21	<1	99 <1 5.	** <1 ***	<1	<1	\$ 1	<1 "	5/41/8	:: <1	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocarl	bons																					
Halogenated Non-Aroma	atic Hy	drocarb	ons																			
Carbon Tetrachloride	0.5	<5	<1	<1	<1	<1	**************************************	<1	8/4184	<0.5	<0.5	27 21 00	<0.5	<1	3 < 1	<1	<1	<1	<1	<1	<1	<1
Chloroform	100	<5	<10	*	<1	<1	<1	1	#R1#	<0.5	<0.5	# < 1 @ !	<0.5	<1	<1	~1	<.1	<1	<1	<1	<1	<1
1,1-Dichloroethane	5	10.0	3.7	6.1	3.2	5.7	2.6	3.8	1.1	3.1	3.1	2.5	2.5	3.9	2.0	2.4	1.6	2.5	1.3	1.5	1.7	1.9
1,2-Dichloroethane	0.5	<5	<1	<1	<1	<1	<1	<1	41.5	<0.5	<0.5	<1	<0.5	<1	<2	<2	<2	<2	<2	<2	<2	<2
1.1-Dichloroethene	6	15.1	4.5	6.0	5.3	5.6	4.6	5.0	1.6	3.5	3.7	4.3	3.2	4.6	1.8	2.9	1.5	3.6	1.3	1.6	1.4	1.9
cis-1,2-Dichloroethene	6	18.8	19.2	23.3	18.4	20.9	16.7	21.5	9,8	14.0	14.0	15.7	11.0	18.9	9.7	11.2	8.2	15.1	7.3	9.4	6.9	8.7
trans-1,2-Dichloroethene	10	16.8	8.6	9.0	5.4	6.1	7.5	5.1	3.7	3.5	4.2	7.2	4.8	7.1	1.8	2.2	2.0	4.9	1.3	1.8	1.8	2.3
Methylene Chloride	5	<5	928 < 1 859	<1:	-1	1881 > 1881	111	- (<1 /4	***<135	48# <1 000	224	- Y	1	1.41	66 <1 26	<10	<1	<1	<1	<1	<1	<1
Tetrachloroethene	5	<5	\$6 <1 56	<1:0	<1		1 < 1	<1	6<16	<0.5	<0.5	2 < 12	<0.5	6.5	W-<1 11	202100	<1	56 41 5	<1	<1	<1	1.0
1,1,1-Trichloroethane	200	<5	<1	<1	<1		<1	15<1	٧	₹0.5	<0.5	~1	<0.5		~1	# ₹1	″ <1°	<1	<1	<1	<1	2.6
1,1,2-Trichloroethane	5	# <5	<1	1112	<1		<1	#1 21	2 <1	<0.5	<0.5	- <1	<0.5			2 <1	<1	<1	<1	<1	<1	<1
Trichloroethene	5	<5	<1	112	111	200 < 1 200	~1	14 4 1 1	<1	<0.5	<0.5	<1	<0.5	2.6	<1	ं दा	<1	27 < 1	1 21	93 21 69	<1	<1
Freon-113	1200	<0.6	1112	44	<1		1112	44		₹0.5	<0.5	<5	<0.5	< t :	<1	<1	21<12	241	<1	<1	341 5	<1
Vinyl Chloride	0.5	<5	107/1/1		<1		<1	<1	<1	<0.5	<0.5	1 < 1	<0.5	<1	<1	ंदा	/ <1:	<1	<1	<1	<1	<1.
Total Halogenated Hydrocar	bons	60.7	36.0	44.4	32.3	38.3	31.4	35.4	16.2	24.1	25.0	29.7	21.5	43.6	15.3	18.7	13.3	26.1	11.2	14.3	11.8	18.4
Total Concentration of Vo	OCs	60.7	36.0	44.4	32.3	38.3	31.4	35.4	16.2	24.1	25.0	29.7	21.5	43.6	15.3	18.7	13.3	26.1	11.2	14.3	11.8	18.4

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted = Less than Quantitation Limit

Harris Commence

* = Analysis by BC Laboratories

(D) = Duplicate sample

Table C4.3-1 (Cont'd) LBNL Groundwater Monitoring Well Results

Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		MW91-3 (well is on	annual s	ampling)													
Constituent	MCL	Nov-92	Mar-93	May-93	Aug-93	Nov-93	Mar-94	May 94*	Aug-94	Nov-94*	Feb-95*	Aug-95	Feb-96	Jul-96	Feb-97	Aug-97	Aug-98	Aug-99
Aromatic and Non-Haloger	nated H	ydrocarbo	ons															
Benzene	1	<5	<1.4	<1		-,×-<-1(* i.÷	90. <1 505	<0.5	.5 <1	<0.5	<0.5	ং	25 < 15.0	<1	∂<1	<1.2	1141	··· <1
n-Butylbenzene		<5	<1	\$ <1	<1	64 < 1 6.69	¥ ***	<0.5	<1	<0.5	<0.5	767 < 1	<2	<2	<1	<1	<1	<1
sec-Butylbenzene		*** <5	<1	***<1 ****	<1	2121	~ 1	<0.5	<1	<0.5	< 0.5		<2	<2	13 <15	<1	<1	<1
ter-Butylbenzene		45		212	# 12 11 TE	<1	<1	<0.5	<1	<0.5	<0.5		<2	<2	24 K1 %*	<1	<1	<1
Ethylbenzene	700	< 5		115	<1	~1	7	<0.5	<1	<0.5	<0.5	<1	<2	<2	#s<1 %	<1	<1	<1
Isopropylbenzene		<5	<1		<1	<1	7	<0.5	<1	<0.5	<0.5	<1	<10	<1	<2	<2	<2	<2
p-Isopropyltoluene		<5	<1	<1	<1	<1	7	<0.5	<1	<0.5	<0.5	<1	141	<1	<1	<1	<1	: <1
Naphthalene		<5	<1	<1	*** <1	<1	<1	<0.5	<1	<0.5	<0.5	<1	<1	<1	<2	<2	<2	<2
n-Propylbenzene		<5	<1	<1	<1	<1	\1	<0.5	<1	<0.5	<0.5	<100	<2	<2	<1	<1	<1	<1
Toluene	150	<5	<1	<1	s > < 1	/ < 1	V 1	<0.5	<1	<0.5	<0.5	**************************************	<1	in <1	<1	<1	::-<1:	<1
1,2,4-Trichlorobenzene	70	<5	<1	## <1	<1	35 < 1 5 %	<1:	<0.5	<1	<0.5	<0.5	<188	~16 0	<1	<1	<1	<10	<1
1,2,4-Trimethylbenzene		<5	21 < 1 ·	## <1 E.8	<1	<1	<1	<0.5	< 1	<0.5	<0.5	(F-<150)	<2	<2	<1	<1	<1	<1
1,3,5-Trimethylbenzene		<5	<1	- 15 m		## < 1	<1	<0.5	<1	<0.5	< 0.5	<1	<2	<2		8 <1 1	<1	<1
Xylenes, total	1750	<5	41 10	<1	<1	<1	457 5 78	<1.0	~ <1	<1	<1	<1	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocarbo	ns															-		
Halogenated Non-Aromatic	c Hydro	carbons														•	-	
Carbon Tetrachloride	0.5	<5	3.47<1	<1	## <1	~ < 1	5 < 1	<0.5	<10	<0.5	<0.5	<1	@<10	3ec<1 ∂a	<1	<1	<1	<1
Chloroform	100	<5				500 2 1		<0.5	<1	<0.5	<0.5	<1	35 < 1 35	20 < 1 = 2	<1	<1	<1	<1
1,1-Dichloroethane	5	- 		634 <1 28		******	<1/2	<0.5	<1	<0.5	<0.5	35/21/49	127<120	<1	212	* <1	<1	<1
1,2-Dichloroethane	0.5	25	1		# * # # # # # # # # # # # # # # # # # # #	*****	C12 -	<0.5	<1	< 0.5	<0.5	% 18 18 18 18 18 18 18 18 18 18 18 18 18 18	33 < 1 3 3	-0<1	<2	<2	<2	<2
1,1-Dichloroethene	6	<5	## ** 1	<1	112	<1	<1	<0.5	<1	<0.5	<0.5	<1	<1	<1	<1.4	<1	<1	<1
cls-1,2-Dichloroethene	6	<5	<1	1.0	2.9	<1	(1) < 100 P	0.51	1.3	0.55	0.61		03 < 1 %	<1	<1	44 < 1 d	<1	<1
trans-1,2-Dichloroethene	10	<5	(4)	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5	<1	<1 :3	<1	<1	assa < 1	<1.00 €	<1
Methylene Chloride	5	√ 5	<1	<1.2	< 1	< 1		<0.5	<1	<1_	<1	# <1	169° < 1 666	√ (< 1 = 3	55 < 1 55	<1::	<188	<1
Tetrachloroethene	5	< 5	har cil eu	## <1 ##	44.t<1	2<	15 < 1 5 0	<0.5	<1	<0.5	<0.5	# <1 · ·	135<1-57	166 <1 -66	<10	<1	<1	<1
1,1,1-Trichloroethane	200	#<5##	in <1	## * 1-##	<1	< 1	24 4 1 2 2	<0.5	<105	<0.5	<0.5	# <1 ·	66 < 1 = 8	14 < 144	9 < 199	<1	0/41	<1
1,1,2-Trichloroethane	5	<5		2 1 2	<1	<1		< 0.5	<1	<0.5	< 0.5	<1	hell <1246	58 41 5	e-14	21	<1	<1
Trichloroethene	5	<5	<1	1	1	## < ###	# 21	<0.5	(1) <1 P	< 0.5	<0.5	雪22199	- KI	## **	<11		550 2 1555	<1
Freon-113	1200	<0.6	<1	~1	**************************************	21		<0.5	<1	<0.5	<0.5	<5	<15	- - 1	<12	<1	<1	<1
Vinyl Chloride	0.5	<5	1	<1	#12 1		<1	<0.5	<12	<0.5	<0.5	<1	<1	4264	<1	1 4	<1	<1
Total Halogenated Hydroca	rbons			1.0	2.9			0.51	1.3	0.55	0.61							
Total Concentration of VOC	cs			1.0	2.9			0.51	1.3	0.55	0.61						1	

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

= Less than Quantitation Limit

* = Analysis by BC Laboratories

Table C4.3-1 (Cont'd) LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260 (concentrations in µg/L)

						annual																									
Constituent	MCL	Oct-92	Dec-92	Mar-93	Jun-93	Aug-93	Nov-93	Mar-94	May-94	Aนฏ-94	Dec-94*	Feb-95	May-95*	Sep-95	Dec-95†	(D).	Mar-96	Jun-96	Aug-96	Dac-95*	Mar-97	Jun-97	Sep.97	Dec-97*	Mar-98	Jun-98	Seq-98	Nov-BR	Feb-99	pe-nul.	Mar-00
Aromatic and Non-Hal																			<u> </u>	A						,			, 50 55	5411 551	
Benzene	1	25.6	22.3	6.7	3.6	52.9	12.9	\$ <1.	10.4	28.0	16.0	24.0	8.7	4.7	76.0	52.0	4.5	98.3	57.4	5.6	34.3	11.1	47.7	12.0	32.2	31.4	31.6	43.5	36.2	23.9	10.5
n-Butylbenzene		<5	<5	<1	<1	4<1 5	<1	<10	<1	<1	<0.5	<0.5	<0.5	<1	<5	<3	<2	<2	<1	<0.5	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene		<5∶	<5	<1	<1	<1	< 1	<1	ंदा	14	<0.5	<0.5	< 0.5	<1	<5	<3	<2	<2	<1	<0.5	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1
ter-Butylbenzene		<5	<5	ं < 1 ं	<1	<1	<1	<1	<1%	<1	<0.5	<0.5	<0.5	a < 1	<5	<3	<2	·<2	<1	<0.5	<1	<1.	<1	<0.5	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	700	< 5	<5	<1	4<1 0	<1	<10	<1	<18	< 1	<0.5	<0.5	<0.5	<1	<5	<3	<2	<2	<1	<0.5	<1	<1	o < 1 .	<0.5	<1	< 1	<1	<1	<1	<1	<1
Isopropylbenzene		<5	<5	<1	<1	<1:	<1	<1	<1		<0.5	<0.5	<0.5	<1	<5	<3	<1	∞<1 ं	<2	<0.5	<2	<2	<2	<0.5	<2	<2	<2	<2	<2	<2	<u>~2</u>
p-Isopropyitoluene		<5	<5	<1	< 1	<1	3<1	<1	<1	<1-	<0.5	<0.5	<0.5	<1	<5	<3	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1
Naphthalene		<5	<5	<1	<1	<1	<1	~<1	a ₹1 8	<1	<0.5	<0.5	<0.5	<1	<5	<3	∄<1-	<1	<2	<0.5	<2	<2	<2	<0.5	<2	<2	<2	<2	<2	<u>~2</u>	<2
n-Propylbenzene		<5	<5	S<10	\$ 21 %	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<1	<5	<3		<2	<1	<0.5	<1	<1	<1	<0.5	<1	<1	<u> </u>	<1	<1	<1	<1
Toluene	150	<5	<5	<1	T<1	8 < 10	<1	<1	<1	1.1	< 0.5	<0.5	<0.5	218	<5	<3	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	<	<1	<u> </u>	<1	<1	~1
1,2,4-Trichlorobenzene	70	<5	<5	<1	<1:	<1	*<1 5	# 21 #	€1	<1	<0.5	<0.5	<0.5	<1	<5	<3	(31)	<1	<1	<0.5	<1	<1	< 1.	<0.5	<1	<1	· <1	<1	<1	<1	<1
1,2,4-Trimethylbenzene		<5	<5″	<1	<1	्रा	% <1 €	10	<1	<1	<0.5	<0.5	<0.5	ंदाः	<5	<3	<2	<2	<1	<0.5	<1	<1	< 1	<0.5	<u> </u>	< 1	<1	~ <u>`</u>	<1	<1	- 21
1,3,5-Trimethylbenzene		<5	<5	<1	## 17 P	î < 1	<1	<1	# 61 8	<12	<0.5	<0.5	<0.5	7 E	<5	<3	<2	<2	<1	<0.5	<1	<1	<u>را</u>	<0.5	< 1	<1	<1	<1	<1	<1	<1
Xylenes, total	1750	₹5	<5	<1	<1	# 41	<1	H-216	<1	<11	# 21 1	221E	<1	3 <1 2	<10	<6	<2	<2	<2	<1	<2	<2	<2	<1	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocart	bons	25.6	22.3	6.7	3.6	52.9	12.9		10.4	29.1	16.0	24.0	8.7	4.7	76.0				57.4		34.3			12.0			31.6	43.5		23.9	10.5
Halogenated Non-Aro	matic	Hvdro	carbon	ıs												02.0	7.0	50.0	1 37.4	, 5.6	04.0	11.1	41.1	12.0	32.2	131.4	31.0	43.5	30.2	23.9	IU.5
Carbon Tetrachloride	0.5	< 5	<5	<1	# ~ 10	<1	<1	<1	<1	<1	< 0.5	<0.5	<0.5	<1	<5	<3	<1	ج1.	<1	<0.5	<1	<1	< 1	<0.5	<1	<1	<1	<1	<1	1	<1
Chloroform	100	< 5	5.4	2.2	<1	∉ <18	<1	<1	<1	<1	<0.5	<0.5	<0.5	<1	<5	<3	5 c 1	<1	<	<0.5	<1	~ 1	< 1	<0.5	<1	<1	<1	<	<1	<1	<u><1</u>
1,1-Dichloroethane	5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<1	<5	<3	< i	<1	<1	<0.5	<1	<1	<1	<0.5	<1	<1	<1	_ <u> </u>	<1	<1	
1,2-Dichloroethane	0.5	<5	<5	1210	1211	#21	<1	(T)	16	27 T	<0.5	<0.5	<0.5	≥1	<5	<3	<1	` c l :	<2	<0.5	<2	<2	<2	<0.5	<2	<2	<2	<2	<2	<2	<1 <2
1,1-Dichloroethene	6	<5	<5	<1	*<1	2618	2 < 1	1	@ 21 8	<1	<0.5	<0.5	<0.5	2 1 2	<5	<3	i e i	<u>- ۲۱</u>	<1	<0.5	<1	<1	· < 1:	< 0.5	< 1	< 1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	6	<5	<5	<1	<1	<1	<1	≈ <1	#218	<1	< 0.5	<0.5	<0.5	<1	<5	<3	~1	< 12	<1	<0.5	<1	<1	<1	<0.5	<	· < 1	<1	<1	<1	<1	_
trans-1,2-Dichloroethens	10	₹5	<5	<1	<1	<1	<1	21	<1	~1 0	<0.5	<0.5	<0.5	1 <1	<5	<3	31	21	<1	<0.5	~1	<1	<1	<0.5	< I	<1	<1	<u></u>	<1	<1	<1
Methylene Chloride	5	<5	<5	<1	<1	<1	<1	€1	<1	<1	<1	# ~1 %	1	<1	<20	< 6	ેર 1∄	21	~ i	<1	<1	<1	<u> </u>	<1	< 1	<1	<1	<1	<1	<1	<u> </u>
Tetrachloroethene	5	<5	<5	<1	<1	<1	8.2	<1	<1	<1	<0.5	<0.5	<0.5	2219	<5	<3	1	<1	<1	<0.5	<1	<1	<1	<0.5		<1	<1	<1	<1	<1	
1,1,1-Trichloroethane	200	<5	< 5	<1	<1	<1	<1	12.1 %	%€1	୍ଦ୍ରୀ	<0.5	< 0.5	<0.5	<1	<5	<3	د1	c1	- E1	<0.5	<1	< 1	<1	<0.5		<u> </u>	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	5	<5	<5	<1	<1	<1	<1	241	~13°	<1	<0.5	<0.5	<0.5	<1	<5	<3	<1	<1	<1	<0.5	<1	<1	<1	<0.5	<1	< 1	<1	<1	- ₹1	-\\ -\	<1
Trichloroethene	5	<5	<5	<1	1.0	1.0	1.3	Fe 15	121	<1	0.52	0.61	<0.5	~ 1	<5	< 3	- 1	<1	<15	<0.5	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	$\overline{}$
Freon-113	1200	1.2	<0.6	<1	<1	%<1 %	<1	#21°	210	<1	< 0.5	<0.5	<0.5	98622		< 3	(10° 1 0°	35218	<1	<0.5	9<10	<u> </u>	3<1	< 0.5	<1.	<u> </u>	<1	<1	<1	<1	<1
Vinyl Chloride	0.5	₹5	<5	<1	<1	<1	<1	<1	1218	≝ č t≅	<0.5	<0.5	<0.5	~1	<10		₹<1	-c1	<1	<0.5	د1	<1	< 1	<0.5	<1	~ 1	<1	<1	<1	<1	
Total Halogenated Hydro	carbon	5	5.4	2.2	1.0	1.0	9.5				0.52	0.61						1				9.5-1.5	- 74 · Lo	~0.5		, 1			- ` 	- 	`
Total Concentration of VC	OCs	25.6	27.7	8.9	4.6	53.9	22.4		10.4	29.1	16.52	24,61	8.7	4.7	76.0	52.0	4.5	98.3	57.4	5.6	34.3	11,1	47.7	12.0	32.2	31.4	31.6	43.5	36.2	23.9	10.5

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

Assistance and Dis.

⁼ Less than Quantitation Limit = Compound not included in analysis

^{* =} Analysis by BC Laboratories

^{† =} Analysis by AEN

⁽D) = Duplicate sample

Table C4.3-1 (Cont'd) **LBNL Groundwater Monitoring Well Results** Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		MW91-5	(well is	on annu	al sampl	ing)														
Constituent	MCL	Nov-92	Mar-93	May-93	Aug-93	Nov-93	Mar-94	May 94*	Aug-94	Nov-94*	Mar-95*	(D)†	Aug-95	Feb-96	Jul-96	Dec-96	Feb-97	Aug-97	Aug-98	Sep-99
Aromatic and Non-Haloge	nated H	ydrocart	oons																	
Benzene	1	<5	<1/	~1 55	<1	<1	S (5 2	<3.0	22/12/	<0.5	<0.5	<5	%<1	<1	<1	<1	<i>2</i> < 12	<1	< 1	<1
n-Butylbenzene		<5	<1	:c1	<1	1 21	199 <1 14	<3.0	<1	<0.5	<0.5	<5	1 < 1	<2	<2	<1	11	<1	<1	<1
sec-Butylbenzene		<5	# <1##	**************************************	**< 1 8**	112		<3.0		<0.5	<0.5	<5	<1	<2	<2	1215	10 < 1 (1)	<1	<1	<1
ter-Butylbenzene		45	~ 1	144		## 2 1##		<3.0	41	<0.5	<0.5	<5	<15	<2	<2	< 1	<1.5	* < 1 5 *	<1	<1
Ethylbenzene	700	<5	1.1	** 1	7	9721		<3.0	<1	<0.5	<0.5	<5	# ~1	<2	<2	<1	<10	<1	<1	<1
Isopropylbenzene		<5	<1	21	V	# 21		<3.0	35413	<0.5	<0.5	<5	<1	<1	//<16	<2	<2	<2	<2	<2
p-Isopropyltoluene		<5	7		V			<3.0	<1	<0.5	<0.5	<5	# <1 #	<1	<1.	<1	<1.	√<1∂	<1	<1
Naphthalene		<5	<1	<1	√	<1	<1	<3.0	<1	<0.5	<0.5	<5	<1	<1	<1	<2	<2	<2	<2	<2
n-Propylbenzene		<5	< 1		4 1	<1		<3.0	<1	<0.5	<0.5	<5		<2	<2	< 1	<18.5	S < 18.4	< 1	<1
Toluene	150	<5	1.4	<1.5	~ 1	<1	<1	<3.0	:8 <1 :-	<0.5	<0.5	<5	ĕa. <1 ₽	<1	~11	<17	<1	°<1.5	<1	<1
1,2,4-Trichlorobenzene	70	<5	<1	363. 21 353	V Table	1 < 1	<1.9	<3.0	# :<1 ##	<0.5	<0.5	<5	## <1 0	<1	:97 <1 /5	<1	<1	<14	<1	<1
1,2,4-Trimethylbenzene		<5∷	<1	<1	#*<1	<1	441.5	<3.0	21 < 1	<0.5	<0.5	<5	# < 1 = 1	<2	<2	S < 1	<1	<1	<1	<1
1,3,5-Trimethylbenzene		<5	<1	<1	<1	2 216	4	<3.0		<0.5	<0.5	<5	<1	<2	<2	< 1	¹ / ₂ <1∞	<1	<1	<1
Xylenes, total	1750	<5	1.3	ં'લાં ં	<1	<1"	40 21 14	<6.0	24	<1	<1	<10	<1	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocarbo	пs		3.8																	
Halogenated Non-Aromati	c Hydro	carbons																		•
Carbon Tetrachloride	0.5	<5	<1	886 <1 ,99	<1	<1	W < 1 **	<3.0	578 31 66	<0.5	<0.5	<5	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	100	<5	<1	1241	30 < 188	<1	<1-	<3.0	## * 155	<0.5	<0.5	<5	<1.	<1	**<1	<1	<1	<1/	<1	<1
1,1-Dichloroethane	5	V 5	₹	<1	**************************************	1121		<3.0		<0.5	<0.5	<5	17	<1	<1	<1	<1	35 < 1 55	<1	<1
1,2-Dichloroethane	0.5	₹5	212	'<1	\	21	11	<3.0		<0.5	<0.5	<5	<1	<1	<1	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	<5	<1	1	T	<1	441	<3.0		<0.5	<0.5	<5	×1	ે≲ 1	21	<1:	<1	<1:	<1	<1
cis-1,2-Dichloroethene	6	₹5	112	1	~1		<1	<3.0	7221	<0,5	<0.5	<5	<1	<1	~1 5	<1	<1	<1	<1	< 1
trans-1,2-Dichloroethene	10	< 5	<1	<1	<1	<1	# 31 %	<3.0	<1	<0.5	<0.5	<5	<1		<1	<1	<1	<1	<1	<1
Methylene Chloride	5	<5	<1	<1	<1	<1	<1	<3.0	- K-1	<1	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	5	<5:::	5.4	1.5	1.3	1.2	1.7	<3.0	1.4	1.3	1,1	<5		<1	1.1	<1	<1.	<1	<1	<1
1,1,1-Trichloroethane	200	<5	6 < 1 +	-i < 1 .55	<1	<1	(E-E15-5)	<3.0	<1	<0.5	<0.5	<5	18 218	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	5	45 5	10<10	<1	<1	1 ~ 1	## ~1 ##	<3.0	1121	<0.5	<0.5	<5	12 2 10 0	121	<1	<1	21	<1	* 41	:: <1 ·:
Trichloroethene	5	<5	1.0	2021		#12 1		<3.0	121	0.52	<0.5	<5	1821	14210	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	<1	<1	<1	<1	<1
Freon-113	1200	<0.6	<1	agus de	1112	* 1 ×	- T	<3.0	121	<0.5	<0.5		< 5	<10	<1	1 41	<1	<1	<1	<1
Vinyl Chloride	0.5	2 5	<1		<1	<1	*1 **	<3.0	nighting and	<0.5	<0.5	<10	¥ 21	<1	<1	<1	6 1	<10	<1	<1
Total Halogenated Hydroca	rbons		6.4	1.5	1.3	1.2	1.7		1.4	1.82	1.1		An angles Tro Ass Tauge		1.1	1				
Total Concentration of VOC	Ss		10.2	1.5	1.3	1.2	1.7		1.4	1.82	1.1		1		1.1		İ	Ī	i –	Ì

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

= Less than Quantitation Limit = Compound not included in analysis

^{* =} Analysis by BC Laboratories

^{† =} Analysis by AEN
(D) = Duplicate sample

Table C4.3-1 (Cont'd) LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		MW91-6	(well is o	n annual	sampling])													
Constituent	MCL	Dec-92	Mar-93	May-93	Aug-93	Nov-93	Mar-94	May 94*	Aug-94	Dec-94*	Jan-95°	Aug-95	Feb-96	Jul-96	Dec-96	Feb-97	Aug-97	Aug-98	Sep-99
Aromatic and Non-Haloger	ated Hy	drocarbo	ns						•										
Benzene	1	<5	<1	<1	<1	<1	<1	<0.5	<1	< 0.5	<0.5	<1	<1.÷	<1	<1::	< 1	<1	<1	<1
n-Butylbenzene		<5	~1	<1	<1	<1	1 < 1 = 1	<0.5	<1	<0.5	<0.5	<1	<2	<2	10<100	<1	<1	< 1	<1
sec-Butylbenzene		<5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5	<1	<2	<2	<1	<1	<1	<1	<1
ter-Butylbenzene	<u> </u>	<5	<1	<1	<10	<1	<1	<0.5	<1_	<0.5	<0.5	<	<2	<2	e/s<195	<1	<1	<1	<1
Ethylbenzene	700	<5	<1	<1	<1	<1	<1	<0.5	<1	<0.5	<0.5	<1	<2	<2	<1	٧	<1	<1	<1
Isopropylbenzene		<5	<1	: <1		<1	<1	<0.5	<1	<0.5	<0.5	<1	<1	<1	<2	<2	<2	<2	<2
p-isopropyltoluene		<5	#5 <1	~~1	#	.<1	. <1	<0.5	<1	<0.5	<0.5	<1	<1	<1	<1	<1	<10	<1	<1
Naphthalene		<5	1114	\$50 <1	## <1	<1	4 × 1	< 0.5	<1	< 0.5	<0.5	<1	<1	<1	<2	<2	<2 °	<2	<2
n-Propylbenzene		<5	<10	- <1	41	<1	\$55 < 1 55	< 0.5	<1	< 0.5	<0.5	<107	<2	<2	<1	<1	<1	0.41	<1
Toluene	150	<5	<1	<1	<1	1 < 1	<1	<0.5	15	<0.5	< 0.5	<1	<1	3<1 3	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	70	<5	<1	<1	21	1 < 1	## <1 5	<0.5	<1	< 0.5	<0.5	<1	<15	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene		<5	1	<1		1	**************************************	<0.5	<1	<0.5	<0.5	<1	<2	<2	<10	<1	21	<1	<1
1,3,5-Trimethylbenzene		<5	1541	1 < f	<1.	*** 1	<1	<0.5	2 <1	<0.5	<0.5	<1	<2	<2	<1	< 1	<1	< i	<1
Xylenes, total	1750	< 5	- 1	<1	# <1		<1	<1.0	<1	<1	- <1 ·	<1	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocarbor	ns																		
Halogenated Non-Aromatic	Hydro	carbons																	
Carbon Tetrachloride	0.5	<5	121	<1		<1	<1	<0.5	<1	<0.5	<0.5	< t	<1	<1	2014	<1	<1	<1	<1
Chloroform	100	₹5		<1		<1	44 1	<0.5	<1	<0.5	<0.5	<1	::<1. [™]	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	5	<5	~ 1	<1		<1	<1	<0.5	. <1	< 0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	0.5	<5	<1	<1	4 1	<1	. <1	<0.5	<1	<0.5	<0.5	<1	<1	<1	<2	< 2	<2	<2	<2
1,1-Dichloroethene	6	<5	<1	<1	<1.0	<1	<1	<0.5	<1	<0.5	<0.5	<1	<1	<1	<1	<1	<1	< 1	<1
cis-1,2-Dichloroethene	6	<5	# # < 1.55	<1	igi <1 5@	<1	58.<1888	<0.5	<1	<0.5	<0.5	st <19	75. <1 %	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	10	< 5	55 <1 /5	<1		<1	<1	<0.5	<1	<0.5	<0.5	<10	3/2 /1 /2	<1	<1	<1	<1	<1	<1
Methylene Chloride	5	<5	<1	<1	14	<1	3 	<0.5	<10	145 (1 45	<1	~ ~ 1 %	ं <1 ः	<1	<1	<1	<1	<1	<1
Tetrachloroethene	5	<5	<1	<1	1.2	<1	<1	<0.5	1,5	<0.5	<0.5	<1	· (1)	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	200	<5	ंदाः	<1	<1		<1	<0.5	15	<0.5	<0.5	<1	*** *********************************	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	5	<5	<1	<1	<1	<1"	<1	<0.5		<0.5	<0.5	1	~ < 10 ·	<1	<1	<1	<1	<1	<1
Trichloroethene	5	<5	<1	<1	<1		<1	<0.5	<1	<0.5	<0.5	<1	<1	< 1	<1	<1	<1	<1	<1
Freon-113	1200	< 0.6	<1	<1	<1		* <1	<0.5	***	<0.5	<0.5	<5	<1	~ 1	<1	<1	<1	< 1	<1
Vinyl Chloride	0.5	<5	<1	<1	<1:	st i	/<1	<0.5	<1	<0.5	<0.5	<1	<1:	<1	<1	<1	<1	< 1	<1
Total Halogenated Hydroca	rbons				1.2				1.5										<u> </u>
Total Concentration of VOC	s				1.2				1.5						I		T	1	1

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted = Less than Quantitation Limit

* = Analysis by BC Laboratories

Table C4.3-1 (Cont'd) LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260 (concentrations in µg/L)

		MWP-	9 (well	s on	annu	al san	ipling)																													\neg
Constituent	MCL.	Nov-92	Mar-93	(D)	May-93	Aug-B:	Nov-8:	Mar-0	4 May-94	Aug-84	Dec-94	Fab-85*	May 95	Sep-95	Nov-95	Fab-96	Mar-96	Apr-96	May-96	i (D)	Jul-96	Noy-96:	Dec-96	Feb-97-	Feb-97-	Fab-97	May-97	Aug-97	Nov-97	Feb-98	May-98	Aug-98	Nov-98	Jan-99	Apr-99	Aug-00
Aromatic and Non-Halo	genat	ted Hyd	frocarb	อกร																																
Benzene	1	<53	87 - 1 2-0	<1	5 <1 8	ं र 1े	: K-16	<1	· <10	<1	<0.5	<0.5	<0.5	44 - 1 11	_<1:	<1	<1	<1	3/<1/	<1	<15	<1	<1	<1	<1	<1	<1	- - 1 5	2<19	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene		່<5∜	c <1 **:	<1	<1	<1	N-11	141	F 4 - 1 2	<10	<0.5	<0.5	<0.5	∀~1 %	₹2	<2	<2	<2	<2	<2	<2	<1	ं<1 ं	<1.	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene		<.5	Set in	<1	<1	<1	<1	· c1	141	<1	<0.5	<0.5	<0.5	(< 1 €	₹2	4<2	- 42	<2	<2	< 2	<2	<1	<10	" < 1	<1	ं<1∜	<1	∴<1 ″	<1:	1<1	<1	<1	<1	<1	<1	<1
ter-Butylbenzene		<5	<1	<1	<1	<1	<1	<1	<10	ं<1≓	<0.5	<0.5	< 0.5	~ c.1	<2	<2 ∞	<2	<2	<2	<2	<2	% < 1 ≥	< 1	ं<1∷	<	<1	<1	<1	<1	::<1:	<1	<1	<1	<1	<1	<1
Ethylbenzene	700	<5	<1	<1	<1	< 1	<1	<1	اء:	<1	<0.5	<0.5	<0.5	<1	<2	<2	< 2	< 2	<2	<2	<2	# <1 9	< 1	<1	<1€	<1	s ₹1 %	∉<1	<1	<1-	<1	<1	د1 ا	<1	<1	<1
Isopropyibenzene		<5	::e1::i	<1	c 1	ं<1 ∶	ं<1 ₽	<1	: ii-c1:	<1	<0.5	<0.5	<0.5	© ∈1 %	F-12	41	341	€ 1	341	∵(1)	721	<2	<2	<2	<2	<2	ં ∢2⊲	∷<2∴	<2	- 2	<2	<2	<2	<2	<2	<2
p-Isopropyltoluane		<5	<1	<1	~1 :	% ~ 1 %	<15	<1	<1	27 -2 127	<0.5	<0.5	<0.5	~1	·*<1	8 218	≥<1:	151	<1	<1	¥	۲	<1	<1	<1	<1	<1	<1	<1	<1:	<1	<1	<1	<1	<1	<1
Naphthalene		< 5	<1	<1	<16	<1		<1	ं ः दा ह	41 €	<0.5	<0:5	<0.5	٠41	~c1	<1	\$ 41 5	c1	~1	ंद1	٧	٧2	<2	<2	₹2:	< 2	<2∂	<2	<2	<2	<2	<2	<2	<2	<2	<2
n-Propylbenzene		<5	্<1	<1	<1	< 1	<1	<1	<1	<10	<0.5	<0.5	<0.5	<1	.<2·	ິ<2	ii <2∶	<2	<2	₹2	Ý	<1	<10	۸.	% ₹1 0	<1	/-<1:	<1	<1	ং1	<1	<1	<1	<1	<1	<1
Toluene	150	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	* ~1 *	S < 18	∰ €1 %	£<1°.	e i	<1	<1	v	<1	<1∵	٠ ٧ []	%< 1 ∞	<1°	<10	a(<1	ं<1 ≅	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorabenzene	70	<5	<1	<1	دا :	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	~1	¥	# 4 1	F < 1	<1	€1	ं	٧	<1	<1"	< 1	: < 1	<1	ं≺1ं	© <1 ©	ે<1⊹	<: 4 1:	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene		< 5	∞<1	<1	<1/	<1	<1	<1	<1	<1	<0.5	<0.5	< 0.5	∀<1 ≅	₹2	<2	< 2	₹2	<2	-2	<2	ं<1 ं	<1	~ t =	ं देवी	<1	<1	ंद 🗺	d < 1 €	∠<1∴	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzone		<5°	<1	<1	~1	<1	<1	<1	<1	<1	<0.5	<0.5	< 0.5	8000180	¥2	<2	<2	<2⊹	<2	2>	<2	<1	<1	`` ₹1 %	6 ~1 (*)	<1	ੋਵ1	ं<1ः	< 1	ੇਵ 1 8	<1	~1°	<1	<1	<1	<1
Xylenes, total	1750	<5	<1	<1	<1	<1	<1	<1	े <1∷	<1	2<10		E< 1	ं<1 ë	<2	₹2	∴<2 :	² < 2∶	<2	<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydroca	rbons						l																													
Halogenated Non-Arom	atic H	lydroca	erbons																												•					
Carbon Tetrachloride	0.5	5 5	4 -1 50	<1.	<1	<1	< 1	<1	< 1	< 1.5	<0.5	<0.5	<0.5	≓<15	16	: €18	3.8	<1	<1	⊬. -1 :	<10	<1	< 1	<	<1	<1	<1	<1:	··<1'''	्रा	<1	~ 1 1	<1	<1	<1	<1
Chleroform	100	₹5	¥	<1	<1	<1	<10	<1	S < 13	- t-	<0.5	<0.5	<0.5	#E. (#	≝€1 ®	2210	382.1d	<1	-c1	-c1-	< 1	%≥1 8	<1	< 1	<1	<	:<1:	<1	: <16	<1	<1	<1	<1	<1	<1	<1
1,1-Dichlorgethane	5	₹5	~1	21	c1	<1	<13	<1	<1	<1 °	<0.5	<0.5	<0.5		왕 (*) [변	₹1	41	~1	H <1 1	37 7 1	21 5	<1	<1	%e1	7 4 1%	<1	<1	:<1	< 1	<1	<1	ج1	< 1	<1	<1	<1
1,2-Dichloroethane	0.5	₹5	-1	c 1	<1	×1	1212	- Z1:	<1	<10	<0.5	<0.5	<0.5	₹1 #	2 -1	SE18	:: €1	ं <1'	<1	# - 1	ং	<2	ેં દે2	<2	<2	<2	<2	<2	< 2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	< 5	₹1	<1	<1	% 21 %	~ć1	<1	<10	<19	< 0.5	<0.5	<0.5	16 21 111	5 41 5	F219	- < t	<1	: ₹1:	া ব1	ć1	(1)	<1	∢ 1≚	○ < 1	7<1°	<1	·<1	<1	<1	<u> </u>	<1	<1	<1	<1	<1
cis-1,2-Dichtoroathana	6	<5	*1	~1	V	(c)	<1	<1	< 1	-8 <1 E	<0.5	< 0.5	<0.5	1 2	<1	~11	1.5	<1	<1	<1	۷1	<1	<1	<1	<1	<1	7 <10	c1.	.c1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	10	₹5	<1	<1	<1	<1	<1	<1	< 1	<1	< 0.5	<0.5	<0.5	<1	<1	<1	<1 a	:5<1	≂c1:	<1	<1	<1	<1	< 1 *	<1	<1:	<1/	√c1:	c1	<1	<1	<1	<1	<1	<1	<1
Methylene Chloride	5	<5	<10 €	۲۱.	<1	∴<1∗	- <1°	41	<1	*<1	<10	12-11	87 €.1 %	% 11	8 4 19	© €1 %	# 21 10	< 1	<1	6× 1	<1	c l	< 1	×1"	<1	<1	. ⊂ [:	<1		<1	c1	c1	<1	e1	<1	<u> </u>
Tetrachioroethene	5	₹5	32 4	<1	<1	<10	37213	~ < 1	¥21	<1	<0.5	<0.5	<0.5	R 4 10	8 - 1 0	2.0	213.0	~<1°	<1	ંકા	3<1 0	18.0	< 1	12.9	4.2	<1	<1	c 1	<10	<1	s 1	c1	<1	<1	~	
1,1,1-Trichtoroethane	200	¥5	Fe 1	<1	<1	# €1 8	<1	21	741	21	<0.5	<0.5	<0.5	222 jd	# 4€1 #	1	922 1 9	S-13	28-14	€ 1	<1	₹1\	<1	<1	14 to	<1:	< 1	< t	- 1	<1	<1	~<1	- 31	<1	<1	<u> </u>
1,1,2-Trichlorcethane	5	₹5	<1	<1	41	<13	<1	×1	<17	<1:	<0.5	<0.5	<0.5	25.12	ë:' ∈1 ë	4010	## ~1 0	141	<1	3e1	<1	# €1 #	3<1 2	<1	<1	<1	°<1°.	e t	<1	-1	<1	6 <1	<1	<1	<1	<1
Trichlorgethene	5	<5≎	Par Trinz	<1	41 7	: <1 :	- < 1	<1	<15	€15	<0.5	<0.5	<0.5	<15	E-1	46.100	78.5	21:	<1	241	<1	4.2	<.19.	3.4	1.4	<1	ंदां	0 e 10	<1	<1	:<1:	.∵ ≥1 ∵	<1	<1	<1	<1
Freen-113	1200	<0.8	< 1	<1	۲.	<1	<1	< 1	<1	114	<0.5	<0.5	<0.5	∹<5:	≓ c1 i0	31 < 1 31	3 - 1 3	-c1	ii ∈1 :	#¥1:	~1 0	<1	<1	: <1:	<1:	<1	(€ t)	e1:	⊕ ∢1 ⊞	1<1	~<1	: < 1 ′	<1	<1	<1	<1
Vinyl Chloride	0.5	< 5	F<10.	<1	<16	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	*	~ 15	< 1	8410	-c1	e1	: < 1:		<1:	<1	<	< 1	/< 1:	<1	i < 1	J<1	:<1:	- <1 ·	<1	<1	<1	<1	<1
Total Halogenated Hydroca	ubons							1								2.0	296.8					22.2		16.3	5.6						7.1.					~
Total Concentration of V	OCs								1	T	Ī					20	296.8			 		22.2		16.3	5.6		i			 	1			=		===
		ш.,					·	٠				L				۳.0	220.0	L		\perp		22.2		14.3	3.0						1	L				

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

⁼ Less than Quantitation Limit
= Analysis by BC Laboratories

⁽D) = Duplicate Sample
• = Detections are due to cross contamination during sampling

Table C4.3-1 (Cont'd) LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260 (concentrations in µg/L)

		MWP-1	0 (well	is on a	innual s	samplin	ıg)																						
Constituent	MCL	Nov-92	Mar-93	May-93	Aug-93	Nov-93	Mar-94	May-94	Aug-94	Dec-94*	Jan-95°	May-95*	Aug-95	Nov-95	Feb-96	May-96	Ju}-96	Nov-86	Feb-97	May-97	Aug-97	Nov-97	Feb-98	May-98	Aug-98	Nov-98	Jan-99	29-1qA	Aug-99
Aromatic and Non-Halo	genate	d Hydr	ocarbo	ons																 									
Benzene	1	<5	e1	<1	21%	1 15	lects:	361	# <1 5	<0.5	<0.5	<0.5	<1/	# <1 %	# <1 %	₹1.	<1.	<1	# <1 0	<1	-<1	<1	< [<1	<1	.<1⊭	<1	<1	<1
n-Butylbenzene		<5	<1	1 2	# <1 #	# <1 #	2412	# 41	第54章	<0.5	< 0.5	<0.5	罗芒门	<2	<2	<2	<2	<1	<1	~ 1 (<10	₫ (₹1 6	<1	< 1:	<1	<1	121	<1	<1
sec-Butylbenzene		<5	<1	<1	- <1	<1	<10	#<14	*** ** 1##	<0.5	<0.5	<0.5	墨油里	62	<2	<2	<2	± <1 %	1 <10	641 3	< 1	<1	ं र 1ं	<1:	<1	<1	801	<1"	<u>(</u> < 1
ter-Butylbenzene		° ∀	1	<1	2 ₹1 (2)	11210	<1	2 c1	<1	<0.5	< 0.5	<0.5	2001	:: <2	₹2	<2	9<2%	# Z15	21 0	<1	Ø <1 40	<1:	ci < 1 _{cd}	<1	<10	<1	<1	<1	<1
Ethylbenzene	700	₹5	2 <1	1	< 1	<1	<1	<1	~<1	<0.5	<0.5	<0.5	272112	<2	<2	<2	<2	<1	ें दो श	<1	<1	F < 1	<1	<1	° <1∞	<1	<1	<1	<1
Isopropylbenzene		ି<5	<1	<1 2	2 <1	# *1 #	<1	5 < 1	# £1	<0.5	<0.5	<0.5	## 21 ##	57 ~ 1 5	* <1	212	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
p-Isopropyltoluene		<5∷	. <1	. c1	41	<1	< 1⊕	141	<1	<0.5	<0.5	<0.5	# ~1 #	- 1×1	iić e j ⊊	#° €14€	<1	<1	<1	<1	○ <1 ②	<1	<1	<1	~1	<1	25218	<1	∴<1
Naphthalene		¥5	i <1	/<1 ≟	-c1	< 10	<1	<1	m < 1≅	<0.5	<0.5	<0.5	# c1 #	∴<1	্ৰ †	<1	<10	<2	<2	<2	<2	<2	<2	<2	<2	::<2:	<2	<2	<2
n-Propylbenzene		<5	÷ <1⊜	%<1 %	**<1	<1	< 1	3<1	<1	<0.5	<0.5	<0.5	24 1 2	<2	<2	<2	<2	<1	<10	⊙<1∈	`<1⊹	<1	<1	<1	<1	ं<1⊹	<1	<1/	<1
Toluene	150	₹5	<1	<1	<1	a < 1	e 1 2	i < 1	c1	<0.5	<0.5	<0.5	m < 14	<1	a.<1	c1	< 1	Skile.	<1	<1:	ି<1	<1	<1	<1	<1	<1	ং-1	ં<1∷	<1
1,2,4-Trichlorobenzene	70	<5	ح 1	<1	<1	221	<1	*<1 ***	# 21 5	<0.5	<0.5	<0.5	<1	∀1	<1	<1.	# 21 %	<1	<1	i < 15	∜ < 1∴	<1	<1	°<1	<1	~1·	<1	<1	<1
1,2,4-Trimethylbenzene		₹5	期間質	21 9	<1	# 21	< [5]	et.	<12	<0.5	<0.5	<0.5	<1	₹2 8	<2	<2	<2	<1	141	<1	ेंदा	<1	<1	<1	<1	<1	·-<1	<1	<1
1,3,5-Trimethylbenzene		7 5	<1	<1	<1	<1	<1	#21E	<1	<0.5	<0.5	<0.5	21212	<2	<2	<2	<2	د 1	<1	% <1 00	ે<1⊹	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	1750	<5	<1	1 21	7°<1	<1	<1	1	<15	82111	#121#	<1	部と)形	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocal	bons																												\Box
Halogenated Non-Arom	atic Hy	ydrocai	rbons																						•				
Carbon Tetrachloride	0.5	25 5	<1	<1	<1	210	E <199	# C 1#	<1	<0.5	< 0.5	<0.5	<1	141 9	49 N	41	-<1-	ं<1 ∶	~ ~1 0	<1	<1	<1	<1	<1	<1	<1		<1	<1
Chloroform	100	~25	∂<1 %	- 1º	-21	张老1 章	- 1-	ée†∷	<10	<0.5	<0.5	<0.5	15	#21°	#414	- 215	8817	** 1**	21	<1	< 1	<1	< 1	<1	<1	<1		<1	<1
1,1-Dichloroethane	5	< 5	## ** 10	<1	<1	# <1 %	<1	6 < t	21	<0.5	< 0.5	<0.5	<1	8°218	/4 :1	2/<1/	<1	ं<1∷	4 <18	<1	<1	<1	<1	<1	J 21.	<1	<1	<1	<1
1,2-Dichloroethane	0.5	<5	ं ₹ 1∷	ં<1	<1	2542	<1	<1	219	<0.5	<0.5	<0.5	2 3 1 1 1	# ~1 0	15	<1	<1	<2	<2	<2	<2	ે<2⊹	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	ं ₹5	<1	<1	3741	<1	~1°	i ci	P € 1	<0.5	<0.5	<0.5	ं द्रा	<1	EK.188	41	₩ <1 ₩	< 1 23	# <1 3	2 < 1 A	<1	2610	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	6	< 5	ं दे1	< 1	<1	<1	<1	67 <1 %	<10	<0.5	<0.5	< 0.5	48 21 8	1 2	%E <1 %€	2 <1	< 1	421	<1	<1	ं र 1 े।	V 1	<1	<1°	<1	<1	<1	:	<1
trans+1,2-Dichloroethene	10	< 5	ং < 1	<1	<1	<10	<1%	<1 €	<1	<0.5	<0.5	<0.5	55 41	(* 1 *)	11	€ <1#	∷<1∵	< 1	<1	<1	ं<1 ∷	c1	<1	<1	<1	<1	" <1/	<1	<1
Methylene Chloride	5	<5	<1	<1	<1	< 1	<1	5 < 1 (;	141	<1	્<1	<1	<1.	<10	*<:1	: <1s	H<186	2<1 2	<1	~ <1	<1	<1%	<1	<1:	<1	<1	<1	<1	<1
Tetrachloroethene	5	<5	<1	# 21 2	261	ାଟୀଙ୍କ	<1	<1	<1.	<0.5	<0.5	<0.5	<1	< 13	22 4.1 1%	E(<1)	<1	:: cals	-<1	<10	ं<1 ⊱	ुं/<1ं	< 1	<1	<1	<10	<1	<1	<1:
1,1,1-Trichloroethane	200	< 5	1 <1	<18	# <1	<1	<1	<1	F<1%	<0.5	<0.5	<0.5	141	21	~ 1	21	<1:	i:0'<1;:	ें दी	<1	<1	√<1	<1	. <1 ₽	<1	<1-	<1	<1	<1
1,1,2-Trichloroethane	5	<5	Z<10	1≥ 1≥	911	<10	2419		1	<0.5	< 0.5	<0.5	8 2 14	<1	6 < 16	31	3) < 19%	<1	# 21 0	<1	% ₹1 66	3<1 3	<1	<1	<1	<1	1 <1.	<1	<1
Trichloroethene	5	<5	9 < 10	<1	# *1	₹1	<1	<1	<1	<0.5	<0.5	<0.5	<1	241	要~1:3	-C1	¥ ₹ 1€	<1	(1)	# '<1₽	s <1 st	<1	< 1	<1	(21)	<1	~1 11	<1	<1
Freon-113	1200	<0.6	219	<1	5/21	<1	**	22 1 1	<1	0.82	<0.5	<0.5	<5	%1	37418	2€1	a < 100	8 3-1 2	*	<1.	25 4 146	:.<1:::	%<1 %	9<15	6<10	-<1-	<1	<1	<1
Vinyl Chloride	0.5	√ 5	<1	<1	×1	# < 18	1 × 18	:-:11	<1	<0.5	<0.5	<0,5	ě1	121 8	341	# *		< 1	<10	<1	(3%-1 %)	<1	# < 1#	<1	7217	<1.	<1	<1	<1
Total Halogenated Hydroca	arbons			I						0.82																			
Total Concentration of V	OCs			Ī		I		I	T	0.82			<u> </u>					Ī	T										$\overline{}$

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

= Less than Quantitation Limit

* = Analysis by BC Laboratories

ารถูสัสสารสาราชการเลย - พระเจ้า (จักร ซิส

LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		MW76	-1 (wel	l is on	semi-a	nnual s	sampli	ng)																
Constituent	MCL	Dec-92	Mar-93	Мау-93	Aug-93	Nov-93	Mar-94	Jun-94	Sep-94	(D)*	Dec-94*	Mar-95*	Aug-95	Mar-96	Aug-96	Dec-96*	Mar-97	Jun-97	Aug-97	Feb-9B	Sep-98	Feb-99	Sep-99	Feb-00
Aromatic and Non-Halo	genat	ed Hyd	drocarb	ons																				
Benzene	1	< 5	<1	% < 150	<1	/-<1	<18	<1	4<14	<0.5	0.63	0.64	<10	<1	<1	<0.5	<1	<1	<1	<1	<1.	<1	<1	<1
n-Butylbenzene		<5	<10	<1	% <1 %	<1	<1	, C 1	~<1	<0.5	<0.5	<0.5	া < 1	<2	″<1≐	<0.5	<1	<1	<1	<1:	<1	<1	<1	<1
sec-Butylbenzene		< 5	V1		<1	< 1	7	<1	V	<0.5	1.2	<0.5	<1	<2	<1	0.64	<1	<1	<1	<1	<1	<1	<1	<1
ter-Butylbenzene		₹5	~1	~ (1	<1	<1	<1	2 21	7	<0.5	1.2	<0.5	3 < 1 =	<2⁻	<1	0.74	<1	<1	<1	<1	<1	<1	<15	⊳<1
Ethylbenzene	700	<5	<1				***	12		<0.5	1.2	<0.5	<1	<2	<1	<0.5	<1	<1	<1	<1	<1	<1	<10	<1
Isopropylbenzene		<5	<1	HE H		<1	<1	1	1	<0.5	0.52	<0.5	<1	<1	<2	<0.5	<2	<2	<2	<2	<2	<2	<2	<2
p-Isopropyltoluene		<5	 { 		#41	<1	<1	1	<1	<0.5	<0.5	<0.5	₹1	<1	<1	<0.5	<1.	<1	<1	<1	<1	্<া	<1	<1
Naphthalene		<5	<1	# < 1#	<1	<1.	<1	<1	(C) < (1)	<0.5	<0.5	<0.5	i6<14	#<1 2	<2	<0.5	<2	<2	<2	<2	, c 2	<2	<2	<2
n-Propylbenzene		<5	<	::<1∰	<1.	::<1:::	:-<1:::	<10	# < 1	<0.5	<0.5	<0.5	- 1 = 1	∴<2	~ < 1	<0.5	~<1 iii	<1	<1	1 < 1	<1	<1	<1	<1
Toluene	150	<5	10<15	#(21 #	41	#<1#	**<1 ***	# 21 #	<1	<0.5	<0.5	0.55	≝ <1	<1	<1	<0.5	<1	# (1	<1	্ব1	// <1 f	1141	1 <1	· <1
1,2,4-Trichlorobenzene	70	<5	# < 1#	*<1 *	<1	<1	<1	4 21 8	# * 1#	<0.5	<0.5	<0.5	~1 4	<1	<1	<0.5	<1	্<া	1	<1	E<10	<1	<1	<1
1,2,4-Trimethylbenzene		<5	<1	*<1*	°₹1%	<1	121	~1 1	21	<0.5	<0.5	<0.5	~1	<2	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene		< 5	15	**<1#	*<1°	~1	<1	~11	<1	<0.5	<0.5	<0.5	<1	<2	<1	< 0.5	<1	ং 1	ं,<1 [ा]	<1	<1	<1	⁻ <1	<1
Xylenes, total	1750	<5	<15	2<15	<1	@ <1 }}	<1	<1	(1)	<1.0	<1		!!!<!--!</b-->	<2	<2	<1	<2	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydroca	rbons		l								4.75	1.19				1.38								
Halogenated Non-Aron	natic F	lydroca	arbons																					
Carbon Tetrachloride	0.5	<5	<10	<1	2417	41	<1	141	#i 21#	<0.5	<0.5	<0.5	<1	241	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	100	<5	<12	7<1	<1	<1	<1	1219	<1	<0.5	<0.5	<0.5	1	۲۱ -	~ 1:	<0.5	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	5	<5	<1	1	1	41	<1	<1.	1 < T	<0.5	0.66	<0.5	1.3	1.7	<1	0.70	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	0.5	< 5	<1		-<1	41	<1	< 1	<15	<0.5	<0.5	<0.5	<10	<1	<2	<0.5	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	<5	<1	< 1	a <1 a	:: <1 :::	.:<1::	.:: < 1 37	# <1 a	<0.5	1.4	<0.5	s <18	: <1::	<1	0.75	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	6	13.4	9.4	11.1	7.6	5.8	4.9	8.5	2.3	3.9	21.0	12.0	6.1	5.6	8.3	14.0	13.2	12.4	7.9	9.6	6.3	8.5	6.2	9.0
trans-1,2-Dichloroethene	10	<5	· <1		<1	<1	1 15	~1	4414	<0.5	<0.5	<0.5	<1	21 11	<1	<0.5	<1	<1	<1	ं<1∛	<1	<1	<1	<1
Methylene Chloride	5	<5	1	1	<1	<1	<1	1	学さ1選	<0.5	1121	<1	*<1	<1	<1	4<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	5	<5	#<1#		# < 1	4.8	11		5.4	6.0	0.62	<0.5	2.0	2.5	<1	0.77	<1	<1	12.4	<1	<1	<1	<1.5	<1
1,1,1-Trichloroethane	200	<5	<1	<1	<1	<1	<1	1	¥	<0.5	<0.5	<0.5	<1.	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	:<1
1,1,2-Trichloroethane	5	<5	<1	11	<1	<1.	<1	\	*	<0.5	<0.5	<0.5	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	5	<5	4.8	6.0	4.5	2.7	3,2	3.0	1.6	1.9	9.7	3.2	2.7	3.0	1.6	2.1	3.5	2.5	3.7	4.2	1.8	1.5	1.8	2.9
Freon-113	1200	<0.6	<1	#:<1#	#<1 #	m<122	<1.	<1	<1	<0.5	<0.5	<0.5	<5£	# <1 =	<1	<0.5	∂ <10	<1	:<1:°	<1	98 <1 88	<1	E:<1:0	<1
Vinyl Chloride	0.5	<5	<1	% < 1 **	<1	<1	<1	1	é t	<0.5	<0.5	<0.5	1041	4<1	<1	<0.5	# <1 2	<1	<1	<1	<1	<1 (<1	<1
Total Halogenated Hydroc	arbons	13.4	14.2	17.1	12.1	13.3	8.1	11.5	9.3	11.8	33.38	15.2	12.1	12.8	9.9	18.32	16.7	14.9	24.0	13.8	8.1	10.0	8.0	11.9
Total Concentration of \	/OCs	13.4	14.2	17.1	12.1	13.3	8.1	11.5	9.3	11.8	38.13	16.39	12.1	12.8	9.9	19.70	16.7	14.9	24.0	13.8	8.1	10.0	8.0	11.9

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted = Less than Quantitation Limit

(D) = Duplicate sample

^{* =} Analysis by BC Laboratories

LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		77-92-10	(well is	on annu	al sampli	ng)								*******						
Constituent	MCL	Oct-92	Dec-92	Mar-93	Jun-93	Aug-93	Nov-93	Mar-94	Jun-94	Aug-94	Dec-94*	Mar-95*	Aug-95	Маг-96	Jul-96	Mar-97	Aug-97	Feb-98	Aug-98	Feb-99
Aromatic and Non-Halog	genate	d Hydrod	carbons												• •					
Benzene	1	y 5	<5	٧	<1	No.	<1	<1	<1/	<1	<0.5	<0.5	<1	<1	<1	<1	< 1	<1	<1	<1
n-Butylbenzene		< 5	< 5	~1	<1	- V	~1/1	<10	/ <1/	<1	<0.5	<0.5	<1	<2	<15	<1	<1	<1	<1	<1
sec-Butylbenzene		v 5	<5	7	₹	7	<1	11	1 < 1 %	<1	< 0.5	<0.5	<1	<2	F < 1	<1	<1	<1	<1	<1
ter-Butylbenzene		<5	<5	<⊺	<1		<1	<10	1 <13	<1	< 0.5	< 0.5	<1	<2	<1	<1	<1	<1	<1.	<1
Ethylbenzene	700	v 5	~5	7	 (1	~1	<1		<1	1 < 1	<0.5	<0.5	<1	<2	<1	<1	<1	<1	<1	<1
Isopropylbenzene		<5	< 5	v	<1	7	<1	<1	11	<1	<0.5	<0.5	<1	<1	<2	<2	<2	<2	<2	<2
p-Isopropyltoluene		<5	<5	.<1	<1	V I	<1	14<1.0	< 1	<1.	<0.5	<0.5	<1	্<1	∴<1::	⊹ <1	<1	<1	<1	<1
Naphthalene		<5	≺ 5	< 1 28	<1	7	<1	4.416	< 1	<1	<0.5	<0.5	<1	<1cc	<2	<2	<2	<2	<2	<2
n-Propylbenzene		<5	< 5	(1	<1	2 4 1 10	ad <1 00	110	< 1	<1	<0.5	<0.5	<1	<2	<1.7	<1	<1	<1	<1	<1
Toluene	150	<5	<5	(1) (1)	<1		<1	膨紅網	<1	8/4 <1 /4	<0.5	<0.5	35 < 1 (4)	~ 1 · :	%<1	<18	13 × 13 × 13 × 13 × 13 × 13 × 13 × 13 ×	<14	<1	<1
1,2,4-Trichlorobenzene	70	<5	< 5	***1	44. 41		<1:	98 < 198	946180	<1	<0.5	< 0.5	<1	56 < 55	2413	<10	<1	< 1	- < 1	<1
1,2,4-Trimethylbenzene		<5	<5∷	1	~1	# 21 (8)	<1	<1	# 21	41	<0.5	<0.5	<1	<2	अ स्त ित	\$# \$ 185	<1	<1	/<1/	<1
1,3,5-Trimethylbenzene		<5	< 5	<1::	# <1	11	<1.0		1	<1	<0.5	<0.5	<1	<2	<1	e ₹1	<1	<1	<1	<1
Xylenes, total	1750	<5	<5	<1	1 €1 5	<1	<10	1121	/ < 1	1210	महाम	<1	<1	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocar	bons																			
Halogenated Non-Aroma	atic Hy	drocarbo	ons						-						•	•				
Carbon Tetrachloride	0.5	<5	< 5	<1	:<1	V 1	~ <1 :::	4.<1	~ ~ 1	<1	<0.5	<0.5	<1	<1:	<1	<1	<1	<1	<1	<1
Chloroform	100	<5	<5	# <1##	<1	<1	1	<1	7 1 1	<1	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	ं <1
1,1-Dichloroethane	5	V 5	< 5	21 State		<1	2 1 1	## < 1	<1	PE-160	<0.5	<0.5	<1	<1	<1	<10	<1	<1	<1	<1
1,2-Dichloroethane	0.5	<5	<5	# 21 F	- 1-2	1	<1	22-<199	3021	<1	< 0.5	<0.5	<1	<1	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	₹5	<5	<1		~ 1	*** 1		<1	# <1 99	< 0.5	<0.5	<1	<1	<1	<1.	<1	<1	<1	<1
cis-1,2-Dichloroethene	6	₹5	< 5	7	<1	<1	<1	## <1	15	<1	<0.5	<0.5	₹1	<1	<1	ं<1∵	<1	<1	<1	<1
trans-1,2-Dichloroethene	10	**5 *	<5	15	<1	<1		 	1 <12	# ~ 1#	<0.5	<0.5	* *1	<1	S < 187	<1	<1	<1	< 1	<1.
Methylene Chloride	5	<5	<5		112	<1	115	24	<1	<1	#1 2 1#		## * 100	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	5	<5	11.0	4.3	2.9	3.3	2.2	3.6		1.3	1.2	1.1	<1	4.0	1.1	<1	<1	<1	<1	<.1
1,1,1-Trichloroethane	200	< 5	8.7	2.3	1.5	1.3	1.0	\$ <1 %	< 1	₹1	<0.5	<0.5	<1	<1	<1	<1	<1	<1	< 1	<1
1,1,2-Trichloroethane	5	<5	<5	<1	<1	4 < 1	< 1	#K<1#4	<1	<1	<0.5	<0.5	₹1	<1	//: <1 ⊕	<1	<1	<1	<1	::<1:
Trichloroethene	5	<5	<5	<1	<1.0	€ € 1	# < 183	<1	::: :< \ ::::	<11	<0.5	<0.5	ja €1 8a.	2.0	<1	<1	<1	<1	<1	<1
Freon-113	1200	***	ं<0.6	± <10€	<1.0	197. 61 98.	- < 10 m	4<1	<1	<1	<0.5	<0.5	<5	<1	<1.5	<1	<1	<1	<1	<1
Vinyl Chloride	0.5	<5	<5	<1	<1	<10	<1	<1:	1 <10	<1	<0.5	<0.5	21	<1	<i>₹</i> < 1 / 2	<1	<1	<1	<1	<1
Total Halogenated Hydroca	rbons		19.7	6.6	4.4	4,6	3.2	3.6		1.3	1.2	1.1		6.0	1.1					
Total Concentration of V	OCe.		19.7	6.6	4.4	4.6	3.2	3.6		1.3	1.2	1.1		6.0	1.1	T	T	I		T

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

= Less than Quantitation Limit

· 探教第5名。1020年4月12日2日

* = Analysis by BC Laboratories

LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

	ĭ	61-92-	12																									
Constituent	MCL	Dec-92	Mar-93	Jun-93	Aug-93	Nov-93	Mar-94	J บก-94	Sep-94	Nav-94*	Mar-95*	Sep-95	Mar-96	Aug-96	Mar-97	Jun-97	Aug-97	Nov-97	Feb-98	Jun-98	Sep-98	Nov-98	Feb-99	May-99	Aug-99	Nov-99	Feb-00	May-00
Aromatic and Non-Halo	ngenat	ed Hyd	rocarbo	ns										<u> </u>			***************************************				· · · · · · · · · · · · · · · · · · ·	·						
Benzene	1	<5	<1	1 2<1	<1	<1	6216	192190	^ <1	<0.5	<0.5	<1	<1	<1	<1	<1	e1:	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene		<5	<1	<1	<10	<1 :	5 < 1	<12		<0.5	<0.5	HEHW.	<2	<1	- 1	<1	97 21	ं<1 ः	<1	<1	<u>جَا</u>	<1	<1	<1	<1	< 1.	<1	<1
sec-Butylbenzene		<5	16 2 10	* <1	<1	12 21 9	1002-100	79 2-1 59	21/4/19	<0.5	<0.5	- č1	₹2	- 21°	8.4	<1	-c1	<1	F < 1	<1	₹1	<1	<1	< 1	<1	<1	<1	<1
ter-Butylbenzene		<5	112	<1	219	<11	21	W < 1	9/21/	<0.5	<0.5	21	₹2	1121	41	<1	<1	<1	ं <1 ਂ	<1	<1	<1	1	ं<1○	<1	<1	<1	<1
Ethylbenzene	700	<5	1124	1	<1	<1	107-120	141	112	<0.5	<0.5	ं<1 ∰	<2	2215	411	<1	<1	<1	ं<1 ∴	<1	√<1 ¹¹	<1	<1	<1	<1	 ′<1°	<1	<1
Isopropylbenzene		<5	<1	<1		11		# *	<1	<0.5	<0.5	<1	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
p-isopropylioluene		<5	100	<1	144216	21 < 1 (1)		# TE	## 21 99	<0.5	<0.5	~1	~ 1:	40 41 49	# ~1 #	: <1°	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	- < t	<1
Naphthalene		₹5	***	1221	##Z190	~1	(F<10)	# 21	38218	<0.5	<0.5	<1	#413	- 22	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
n-Propyibenzene		₹5	11211	<1	21 22	<1	%		## <1 ##	<0.5	<0.5	<10	<2	2014	# ~1 %	<1	//<1	<1	∵<† ः	<1	-c1"	<1	i <1 :	<1	<1	<1	<1	<1
Toluene	150	<5	2.0	## #	## 21 #	1117	# < 1 .4	<1::	# < 1	<0.5	<0.5	(< 1)	\$°€1 [®]	<1	<1	<1	<1	<1	<1	<1	<1	<1	·<1	<10	<1	<1	<1	<1
1,2,4-Trichlorobenzene	70	<5	<1	341 8	<1	V	18 <1 98	april 166	<1	<0.5	<0.5	~1 °	<1	ં <1	421	<1	<1	[∞] <1⊕	<1	<1	<1	<1	<1	<1	<1	<1	.c1.	<1
1,2,4-Trimethylbenzene		<5	<1		<10	<1	~1	04410	±0€1%	<0.5	<0.5	<1	<2	<13	<1	<1	<1	<10	F< 100	41	<1	# <1 0	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	:	<5	*** <1 **	<18	<1	<1 :1	<10	# <1	<1.0	<0.5	<0.5	58 <1 38	v V	্ৰা	~1	<1	<1	۲1:	: <1 ·	<1	∴<1 90	ं<1⊹	<1	×1	∀<1	<1:	%<1	- <1
Xylenes, total	1750	<5	<1.	<1	<1.5	j (]	## <1 ##	- 1	# ~ 1 1	!<1 !!	<1~	্ব	· 2	<2∵	<2	<2	<2	<2	<2	<2	<2	್.<2ಿ	<2	∵ ∢2	~<2	<2	<2	<2
Total Aromatic Hydroca	rbons		2.0																									
Halogenated Non-Aron	natic h	lydroca	rbons																								•	
Carbon Tetrachloride	0.5	<5∵	<1		<10	<1	<1	94 ~ 1 79	<1	<0.5	<0.5	?° <1 ??	<1	% <1 %	<1	<10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	100	<5	<1	< 1:	<1	<1	<1	<1	<1	<0.5	<0.5	::< 1 ::	<1.	া <1∷	<1	<1	<1	<1∵	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	5	<5	:6 <1 :0	<1	<1	<1	<1	<16	<1	<0.5∶	<0.5	Ť	1 <10	18 <1 %	~1	<1	ं<1∵	: < 1	: <1 :	<1	<1	<1	<1	<1:	<1	<1	<1	<1
1,2-Dichloroethane	0.5	<5	<1	<1	<1.	<1	∴	# (<1 55	1 < 1 ::	<0.5	<0.5	্ব	<1	<2	<2	<2	<2	·:<2::	<2	<2	<2	∴<2∴	· <2 ·	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	<5	<1	<1:	<1	<1	<1	<1	<1.0	<0.5	<0.5	<1	V	<1	<1:	<1	∘ ∈1	4 1	<1	<1	. - 1	<1	<1	٧1.	<1	<1	<1	<1
cis-1,2-Dichloroethene	6	<5	:-<1:	<1	4.<1	<1±3	-<1#	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1≓.	·<1	<1	<1	<1	~ < 1	<1	<1	<1
trans-1,2-Dichloroethene	10	<5	< t :	<1	. ₹1±0	<1	24	~ 1	4161	<0.5	<0.5	<1	<1	<1	ং1	. < 1	s <1	4 1	<1.	<1	~<1	<1	<1	< 1	্<1	<1:	<1	<1
Methylene Chloride	_5	<5	<1	<1.	<1	210	# ~ 	<1	<1	<1	#218	<1.	<1	<1	:r<1:	<1	ીં<1	<1-	ं<1∂	<1	<1	<1	<1	٧	<1	<1	<1	<1
Tetrachloroethene	5	<5	<1	<1	<1	<1	3.9	7418	∄/≥1 ∄	<0.5	<0.5	<1	/ <1 /	第名##	∯ < 1%	218	<1	<1	ં <1	<1	<1	<1	<1	< 1	<1	<1	<1	<1
1,1,1-Trichloroethane	200	<5	<1	<1	<1	<1	# <1	90 ~ 1	<1	<0.5	<0.5	\$ < 180	<1	<1	<1	<1	<1	< 1	<1	<1	<1	<1	.<1	<1	<1	<1.	<1	<1
1,1,2-Trichloroethane	5	<5	<1	<1	<1	<1	<10	41	<1	<0.5	<0.5	S < 1	<1	(<1)	<1	<1	<1	<1	<1	::<1:::	. <1	ं<1∴	<1	<1:	্ব1	<1	<1	< 1
Trichloroethene	5	<5	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<1	第44年	1	21	<1	第名排	4×1 5	£ <1 ⊕	<1	<1	<1	月 ~1 等	i∛ <1 %	ੰ<1	<15	<1	<1
Freon-113	1200	<0.6	<1	<1	<1	<1	## *1 #	21	2412	<0.5	<0.5	<5	*	1	<1	#<10	<1	<1	<1	<1	<1	<1	∴<1 /	<1	i<1	<1	<1	<1
Vinyl Chloride	0.5	<5	<1	<1	<12	<1) :	量<12	<12	<0.5	<0.5	<1	<1	学(1 字	21	<1	<1	<1	<1	<1	<1	<1	<1	<1	∴<1∴	< 1	<1	<1
Total Halogenated Hydroc	arbons						3.9	<u> </u>																				
Total Concentration of	/OCs		2.0	ļ			3.9							T		I												
			•			•	-	·				• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·			•	·	·										

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted = Less than Quantitation Limit

* = Analysis by BC Laboratories

LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

					nual sam																
Constituent	MCL	Aug-93	Nov-93	Маг-94	May 94°	Aug-94	Dec-94*	Feb-95*	(D)*	May-95*	Aug-95	Nov-95	Mar-96	Jun-96	Aug-96	Nov-96	Mar-97	Aug-97	Feb-98	Aug-98	Feb-99
Aromatic and Non-Halog	enated	Hydroca	arbons																		·
Benzene	1	<1	<1	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene		7	1.41	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<1	<2	<2	<2	<1.	<1	<1	<1	<1	< 1	<1
sec-Butylbenzene		**	. <1	<1	<0.5	7	<0.5	<0.5	<0.5	<0.5	<1	<2	<2	<2	<10	<1	<1	<1	<1	<1	<1
ter-Butylbenzene	•	<1	<1	<1	<0.5	<1∄	<0.5	<0.5	<0.5	<0.5	::<1::	<2	// <2	<2	<1	<1	<1	·/<1	<1	<1	<1
Ethylbenzene	700	(1 40)	<1	V	<0.5	₹1	<0.5	<0.5	<0.5	<0.5	<1.5	<2	<2	<2	<1	<1	<1	<1	261 5.	<1	<1
isopropylbenzene		<1	* * 1 * .	<1	<0.5	<10	<0.5	<0.5	<0.5	<0.5	** <1	<10	<1	<1	<2	<2	<2	<2	<2	<2	<2
p-Isopropyltoluene		1	<1	9741	<0.5	%<1	<0.5	<0.5	<0.5	< 0.5	%<1 /7	# <1 %	- -	<1	生18	< 1	~<1	<14	91 2 13	< 1	<1
Naphthalene		~ ~ •	<1	1	<0.5	4 1	<0.5	<0.5	<0.5	<0.5		# <1 =	<1	<1	<2	<2	<2	<2	<2	<2	<2
n-Propylbenzene		~1 0	[™] <1	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	# < 13	<2	<2	<2	<1	<1	: 21 3	* <1	<1	<1	< 1
Toluene	150	<1	<1	<106	<0.5	<1	<0.5	<0.5	<0.5	<0.5	₹1	<1	1219	<1	<1	<1	<18	<1	<1	<1	< 1
1,2,4-Trichlorobenzene	70	## **	% < 1	<1	<0.5	₹1	<0.5	<0.5	<0.5	<0.5	1	<1	5 < 16	<1	<1	<1	<1%	<1	<1	<1	<1
1,2,4-Trimethylbenzene		<1	1 < 1	<1	<0.5	:<1 :	<0.5	<0.5	<0.5	<0.5	<1	<2	<2	<2	<1	<1	<1	<1	ं<1∷	<1	<1
1,3,5-Trimethylbenzene		<1	<1-	<1	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<1	<2	<2	<2	< 1	<1	<1	<1 :	<1	<1	<1
Xylenes, total	1750	<1	<1:	<1	<1.0	<1	<1	<1	<1	<1	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocarb	ons																				
Halogenated Non-Aroma	tic Hyd	Irocarbo	ns						:		•								***************************************		
Carbon Tetrachloride	0.5	<1	' ' '	(<1)	<0.5	<1	<0.5	<0.5	<0.5	<0.5	15	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	100	<1	< t	<1	<0.5	<18	<0.5	<0.5	<0.5	<0.5	S<1	<1.	<1	<1	< 1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	5	3.0	1.9	<1	0.67	6	0.87	0.76	0.71	<0.5	<1.	<1	/ < I.v	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	0.5	<1⊴	. <1	< 1	·<0.5	<1 ·	<0.5	<0.5	<0.5	<0.5	<1.	7 <1	<10	<1	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	4.1	2.2	1.5	0.73	# *1	0.96	0.81	0.82	<0.5	#(<115	<1	<1	<1	< 1	ং 1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	6	5.1	2.2	1.2	0.64	- <1 -	0.87	0.69	0.72	0.50	~ (1/2	<1	<18	<1	<1	21	-<1°	ं <1	<1	<1	<1
trans-1,2-Dichloroethene	10	**	141	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	1 12	271	<12	<1	<100	<1	<1	<1	<1	<1	<1
Methylene Chloride	5	<1	<1	<1	<0.5	21	<1			12 CT 12 C		<11	<13	<1	<1	<1	<1	%<1	<1	<1	<1
Tetrachloroethene	5	7	* * * *	1.0	<0.5	3.0	<0.5	<0.5	<0.5	<0.5	# ~ 1	1.2	1.5	<1	21	<1.	1.5	2.3	<1	1.4	<1
1,1,1-Trichloroethane	200	٧1	~ 1	<1	<0.5	7	<0.5	<0.5	<0.5	<0.5	121	21 2	2<1	<1	<1	<1	<1	₫ <1∴	<1	< 1	<1
1,1,2-Trichloroethane	5	₹	* * 1 *	<1	< 0.5	<1	<0.5	<0.5	<0.5	<0.5	<15	<1	2 < 1	<1	< 1	<1	<1	<1	<1	< 1	<1
Trichloroethene	5	7	<1	3 41	<0.5	₹.	<0.5	<0.5	<0.5	<0.5	<1	<1	1.1	<1	< 1	<1	<1	<1	<1:	<1	<1
Freon-113	1200	<1	**<1	-<1	<0.5		<0.5	<0.5	<0.5	<0.5	<5	<1	-2 < 1 # :	e <1⊜	<1	<1	<1	<10	্বা	<1	<1
Vinyl Chloride	0.5	<1	< 1	<1	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<1	(1)	<1	~1	<1	<1	<1	<1	<1	<1	<1
Total Halogenated Hydroc	arboni	12.2	6.3	3.7	2.04	3.0	2.70	2.26	2.25	0.50		1.2	2.6				1.5	2.3		1.4	
Total Concentration of VC	Cs	12.2	6.3	3.7	2.04	3.0	2.70	2.26	2.25	0.50		1.2	2.6			1	1.5	2.3		1.4	

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

^{* =} Analysis by BC Laboratories

⁽D) = Duplicate sample

LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

	T	75-92-23	(well is or	n annual s	ampling)												
Constituent	MCL	Dec-92	Mar-93	Jun-93	Aug-93	Nov-93	Mar-94	Sep-94	Feb-95*	Aug-95	Mar-96	Jul-96	Dec-96	Feb-97	Aug-97	Aug-98	Sep-99
Aromatic and Non-Haloge	nated H	ydrocarbo	ns				45.5									<u> </u>	1 ·
Benzene	1	<5	<125	<1	~ ~1	## **1 ###	£7 <1	199 5 109	<0.5	<1	<1	<1	100 < 1 0 0	<1	<1	<1	<1
n-Butylbenzene		<5	<1	<1	<1	<1	* <1 **	16/21/50	<0.5	<1	<2	<2	<1	<1	<1	<1	<1
sec-Butylbenzene		<5	<1	<1	* 1	<1	<1	<1	<0.5	<100	<2	<2	<1	<1	<1	<1	<1
ter-Butylbenzene		<5	<1	<1	<1	<1		1 <1	<0.5	< 1	<2	<2	<1	<1	<1	<1	<u> </u>
Ethylbenzene	700	<5	<1	<1	<1	<1	<1.5	 	<0.5	<1	<2	<2	<1	<1	<1	<1	<1
Isopropyibenzene		<5	:		<1.	(<1	50 %< 1450	<0.5	<1	<1	V	<2	<2	<2	<2	<2
p-Isopropyltoluene		<5		<1	<1-	2 21	## <1	<1	<0.5	<1	<1	<1	<1	<1	<10	<1	<1
Naphthalene		<5		<1	<1	4-1	i05 <1	** 1	<0.5	61 5	<1	<1	<2	<2	<2	<2	<2
n-Propylbenzene		<5	21	20 6100		* <1	1	10-61	<0.5	21075	<2	<2	<1	<1	<1	<1	<1
Toluene	150	<5	Tig and	7 <1	**************************************	<1	* d	714	<0.5	15	1	21	<1.	<1	<1	<1	<1
1,2,4-Trichlorobenzene	70	<5		<1	<1	<1	<1	141	<0.5	11511	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene		<5	<1	<1	<1	<1	.	<1	<0.5	- 1 × 1	<2	<2		<1	<1	<1	<1
1,3,5-Trimethylbenzene		<5	<1	<1	<1	//<1	<1.54	- <1	<0.5	<1	<2	<2	<165	<1	<1	<1	<1
Xylenes, total	1750	<5	<1.	4155 < 1 55 6	<1		<1	<1	<1		<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocarbo	ons																
Halogenated Non-Aromat	ic Hydro	carbons							· · · · · · · · · · · · · · · · · · ·				<u> </u>				
Carbon Tetrachloride	0.5	<5	<1	<1	<10.7	<1	1.	<1	<0.5	<1	Se < 1 - 5 :	<1	<1	<1		<1	<1
Chloroform	100	<5	<1	<1	2 4 11 21	<1	<1		<0.5		## <1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	5	<5	3.64 1 .65		<1		- C1		<0.5	- 154		<1	1879 21 800	<1	25 < 100	<1	` <1
1,2-Dichloroethane	0.5	<5	224 < 1	### <1 ###	7		664 1		<0.5	<1	244<144	<1	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	<5	~1	100 ~1 00	7	<1.5	E42118	900 <1 5	<0.5		€1.4±	<1	<1	₹1 ⁻⁷	~~ ~~19~	~1°	<u> </u>
cis-1,2-Dichloroethene	6	<5	9092134		, V	1000 E	# 21 W		<0.5	**************************************	2012/1991	<10	- / < 1	<1	<1	<1	<1
trans-1,2-Dichloroethene	10	<5	<1		****	# * 1		্ব	<0.5	100776	21	<1	*	<1	<1	<1	<1
Methylene Chloride	5	<5		<1	1	<1				100 2 100	**************************************	- <1 ·	<1	<1	<1	<1	<1
Tetrachloroethene	5	< 5	::::::::::::::::::::::::::::::::::::::	<1	V	<19.5		<1	<0.5	<1		<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	200	<5	<1		< 1	·····< 1/-	- V	<1	<0.5	<1	1.0	<1:	<1	<1.00	<1	<1	<1
1,1,2-Trichloroethane	5	<5	6 4 (1) 6	<1	<1	<18	100 < 100	4.4	<0.5	<1	1.15	### *1 0##	<1	<1	21	<1	<1
Trichloroethene	5	4.4 <5	/- : <]	νī	<1.3	<1	<1		<0.5		21	<16	~ 21	<1	212.00	<1	<1
Freon-113	1200	<0.6	8/4 <1 /4/4	~ []	4	~1	3 < 1 = 1	## ! <1##	<0.5	<5	11021	<1	<1	21 31 B		<1	<1
Vinyl Chloride	0.5	<5	11	~1	~ 1	## <1	[] [* [*] [*]	998 3 1996	<0.5	13	*1	<1	21 °	<1	<1	<1	<1
Total Halogenated Hydroca	arbons										1.0	⊕.4 .27.1.		3.0	10 1 7 40 12		
Total Concentration of VO											1.0		L				
. J.C. Johnshift Hon VI VO		L									1.0					- 1	

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

^{* =} Analysis by BC Laboratories

LBNL Groundwater Monitoring Well Results

Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		75B-92-	24 (well	is on a	nnual sa	ımpling)															
Constituent	MCL_	Oct-92	(D)	Dec-92	Маг-93	Jun-93	Aug-93	Nov-93	Mar-94	May-94	Aug-94	Dec 94*	Feb-95*	Sep-95	Mar-96	Jul-96	Dec-96	Mar-97	Aug-97	Sep-98	Sep-99
Aromatic and Non-Halog	jenated	d Hydroc	arbons																		
Benzene	1	<5	<2	<5	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<1	<1	<1	<1	<1	<1	< 1	<1
n-Butylbenzene		<5	1	<5	<1	₹	<1	V	<1	<1		<0.5	<0.5	<1	<2	<2	<1	<1	< 1	<	<1
sec-Butylbenzene		<5		<5	<1	₹.	<1	V 1	<1	<1	58) < 1 86	<0.5	<0.5	<1	<2	<2	<1:	<1	<1	<1	<1
ter-Butylbenzene		<5		<5	<1		e <1 ::	2.12	7a < 1 :0	<1		<0.5	<0.5	E. < 15	<2	<2	<1	<11	<1	<1	<1
Ethylbenzene	700	//(<5 /	∂ <2	<5	:::<1	<1	<1	1	<1	2(<1)	or en im	<0.5	<0.5	#K416	<2	<2	<1	<1	<1	<1	· <1:
Isopropylbenzene		##<5#		<5	<1	<1	<1.0	7	<1	~<1	# ~ 12	<0.5	<0.5	* < 1	<1	*1	<2	<2	<2	<2	<2
p-Isopropyltoluene		# < 5 # I		<5	<1.	<1	<1	1	**************************************	<1	4134	<0.5	<0.5	E-<1-	<1	<1	<1	<1	<1	<199	<1
Naphthalene		<5		<5	<1	\	~ T	V	<1	<1		<0.5	<0.5	402404	<1	<1	<2	<2	<2	<2	<2
n-Propylbenzene		<5	1	<5	***<1		V 1	¥	<1	<1	***	<0.5	<0.5	- <1-	<2	<2	<1	~ < 1	<1	<1	< 1
Toluene	150	<5	<2	<5	<1	No.	ব	V	<1	<18	\$<16€	<0.5	<0.5	<1	<1	< 1	<1	- <1.∀	<1	<1	<1
1,2,4-Trichlorobenzene	70	<5		< 5	<1	~1	<1	<1	<1	<1	# 21	<0.5	<0.5	<1	<1	<1	<1	ি<1%	<1	<1	<1
1,2,4-Trimethylbenzene		<5		<5	<1	<1	~ 1	V	<1	<1	<1	<0.5	<0.5	i. < 1	<2	< 2	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene		<5		<5	<1	<1	<1	(1	<1	-:<1:>	<1	<0.5	<0.5	< 1	<2	<2	<1.0	ु<1	<1	<1	<1
Xylenes, total	1750	<50	<2	<5	<1	₹	<1	<1	<1	<1	<1	٧ .	<1.0	<1	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocar	oons																				
Halogenated Non-Aroma	atic Hye	drocarbo	ns												-			•			
Carbon Tetrachloride	0.5	<5	<2	<5	<1	11	<1	<1	<1	3021 8	<1	<0.5	<0.5	- 41	<1	<1	<1	<1	<1	<1	<1
Chloroform	100	<5	<2	<5	15	1.3	# 21 %	<1	<1	14	<1	<0.5	<0.5	<1	<1	<1	<1	ca<15	< 1	<1	<1
1,1-Dichloroethane	5	<5	<2	<5	<1.	-<1.	31<132	<1	<15.	<1	<1	<0.5	<0.5	<1	<1	< 1	<1	<1	<1	<1	<1
1,2-Dichloroethane	0.5	<5	<2	<5	<1	<1	48. < 190.	<1	< 1 a	<1	# * 1 # 1	<0.5	<0.5	# <1 =	<1	<1	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	<5	<2	<5	<1	<1.6	~1 6	a < 10 c	<1	884 4 %	(14)	<0.5	<0.5	# <1 0	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	6	<5	<2	<5		55<165	<1	4 < 1	<1	354 1 43	41	<0.5	<0.5	# <1 ·	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	10	<5	<2	< 5	/// /		SE 2100	<1	<1	## 2 118	411	<0.5	<0.5	# < 1 (1)	ି < 1	<1	<1	191	0.41	<1	<1
Methylene Chloride	5	<5	<2	<5				<1	24		15	1 < 1	<1	# <1 ·	<1	<1	<1	1411	<1	<1	<1
Tetrachloroethene	5	~5	<2	<5	**<1 ***	2.9	121	<1	<1		21	<0.5	<0.5	# <1°	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	200	<5	<2	<5	1	<1	141	<1	<1		1 > 1	<0.5	<0.5	4 < 1	<1	<1	<1	~1°	<1	<1	<1
1,1,2-Trichloroethane	5	<5	<2	<5	(13	2111		<1	<1 !!	<1.2	(1)	<0.5	<0.5	3 < 1	<1	<1	<1	<1:	<1	<1	<1
Trichloroethene	5	<5	<2	<5	1	1.9	<1	<1	<1	61	<1	<0.5	<0.5	示<1	<1	<1	< 1	<1	<1	<1	<1
Freon-113	1200	<1		<0.6	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<5	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	0.5	<5 ···	<2	<5	<1	<1	<1	<1	<1	-1	~~1.5	<0,5	<0.5	<1	. < 1	<1	<1	<1	<1	<1	<1
Total Halogenated Hydro	carbon	s				6.1		Ċ													
Total Concentration of V	OCs			-		6.1						<u> </u>	1				Ī	İ	1	1	
							1			L	L			L	t		<u> </u>		ł	,	

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted = Less than Quantitation Limit

= Compound not included in analysis

(D) Duplicate sample analyzed by Chromalab, EPA Method 8240

* = Analysis by BC Laboratories

LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		76-92-	-25 (we	ell is c	n ann	ual sar	npling																		
Constituent	MCL					7		Mar-94	May-94	Aug-94	Dec-94*	(D)*	Feb-95*	May-95*	Aug-95	Nov-95	Mar-96	Jun-96	Aug-96	Aug-96	Dec-96	Mar-97	Aug-97	Aug-98	Aug-95
Aromatic and Non-Halo	genate	ed Hyd	Irocart	ons															***************************************						
Benzene	1	<5	<5	<1	2<1	<1	<1	4 <1	<1	<1	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	∮<1∜	<1	<1	<1
n-Butylbenzene		< 5	<5	21	251	<1	<1	# 15 #		2H3	<0.5	<0.5	<0.5	<0.5	21	<2	<2	<2	~ 1	<1	<1	ি<1	<1	<1	<1
sec-Butylbenzene		<5	<5	* 31	1 < 1	<1	<1	<1	1	<1	<0.5	<0.5	<0.5	<0.5	<1	<2	<2	<2	ং1	<1	<1	′′<1 ′′	<1	<1	<1
ter-Butylbenzene		<5	<5	<1		<1	<1	7	1	21	<0.5	<0.5	<0.5	<0.5	<1	<2	<2	<2	<1	<1	<1	· <1	<1	<1	<1
Ethylbenzene	700	<5	<5	15	77	<1	<1	7	<1	<1	<0.5	<0.5	<0.5	<0.5	<1	<2	<2	<2	ं<1 ः	<1	<1	.:<1 [⊕]	<1	<1:	<1
Isopropylbenzene		<5	<5	1 < 1 :	<1	<1	<1	V 1	713	<1	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<2	<2	<2	<2	<2	<2	<2
p-Isopropyltoluene		<5	<5	<14	#<1#	<1	<1	<1 :	<1	<1	<0.5	<0.5	<0.5	<0.5	<1	. < 1	< T	<1	<1	<1	<1	<1	<1	<1	<1
Naphthalene		<5	<5	12	<1	<1	< 1	¥ < 1 !!	<1 .6	<1	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<1	<2	<2	<2	<2	<2	<2	<2
n-Propylbenzene		<5	< 5	<1	<1	<1	<1	<1	# <1 #	<1	<0.5	<0.5	<0.5	<0.5	*<1	₹2	<2	<2	<1	<1	<1	<1	<1	<1	<1
Toluene	150	<5	<5	1216	<1	# <1 8	<1	124	141	< 1	<0.5	< 0.5	<0.5	<0.5	#<1#	€1″	<1	<1	<1	<1	<1	*<10	<1	<1	<1
1,2,4-Trichlorobenzene	70	₹5	<5	<1	<1	ব	<1	*<1	\$00 ~1 \$	<1	<0.5	<0.5	<0.5	<0.5	ेंद्री	<1	<1/	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene		<5	<5	<1	<1	<1	<1	<1	1816	<1	<0.5	<0.5	<0.5	<0.5	<1	<2	<2	<2	% <10	<1	<1	<1	[<1]	<1	<1
1,3,5-Trimethylbenzene		<5	<5	1	 <1	<1	<1	1	# 2 18	<1	<0.5	<0.5	<0.5	<0.5	<1	<2	<2	<2	<1	<1	<1	<1	i <1	<1	<1
Xylenes, total	1750	<5	<5	<1	<1	<1	<1	<1	<10	<1	<1	<1	<1	<1	<1	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocar	bons																								<u> </u>
Halogenated Non-Aroma	atic H	vdroca	arbons																						
Carbon Tetrachloride	0.5	<5	< 5	<1	<1	441	 	<10	1	27	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	ं<1 ं	<1	<1	<1	<10	<1	<1	<1
Chloroform	100	<5	< 5	<1	1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	a. < 1 ≦	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	5	<5	<5	<1	1 21	<15	<1	<1a	<1	<1	<0.5	<0.5	< 0.5	<0.5	21	<1	<1	. < 1	્રા -	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	0.5	<5	<5	<1	<1	<1	<1	<10	# *	<1	<0.5	< 0.5	<0.5	<0.5	6<1 %	<1	<1	<1	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	<5	< 5	<10	<1	<1	<1	<1	6<1 0	<1	<0.5	< 0.5	<0.5	< 0.5	स्त	<1	<1	5 - 1 5	-<1 (<1	<1		<1	<1	<1
cis-1,2-Dichloroethene	6	₹5	<5	<1	# ~ 1 =	<1	<1	* < 1 **	#<1#	<1	<0.5	<0.5	<0.5	<0.5	#21#	T 2 1	41	8 61 8	<1	<1	<1	<1.	<1	<1	<1
trans-1,2-Dichloroethene	10	<5	<5	<18	21	12211	<1	~~1	-11	<1	<0.5	< 0.5	<0.5	<0.5	217	<1	1 2 1	<1	<1	<1	<1	<1	~<1:	<1	<1
Methylene Chloride	5	<5	<5	<1		<1	1 211	1212	152	<1	21		1127	1	1761	~1	<1	21	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	5	<5	<5	<1	121	<1	<1	11.9	23	<1	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	٤1	6.8	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	200	<5	<5	<1	<1	<1	<1	<1	#<1#	<1	<0.5	<0.5	<0.5	<0.5	<1	<1	. < 1	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	5	<5	<5	< 12	<1.5	<1	<1	<1	41 6	<1	<0.5	<0.5	<0.5	<0.5	i<1:	<1	<1	41	<1	<1	<1	-\ <1:°	<1	<1	<1
Trichloroethene	5	<5	< 5	<10	27 .	<1	<1	5.2	8<18	<1	<0.5	<0.5	<0.5	<0.5	<1::	<1	<1	#' <1 #	<1	<1	<1	W 216	E<16	<1	<1
Freon-113	1200	# <1 @	-:<1-	<1	-<1:	6<1 00	<1	** 1 **	1 <1	<1	<0.5	<0.5	<0.5	<0.5	<5	5° <1 0°	<1*	131	<1	<1	<1	~ 1	(e)	~ (1 ·	<1
Vinyl Chloride	0.5	<5	< 5	<1	~1	<1	<1	# *1 #	置名用	<1	<0.5	<0.5		<0.5	21	<1	15	14 21 5	~ 1	<1	<1		\$246	<1	<1
Total Halogenated Hydroca	rbons							17.1					—.			21,46			6.8				-		
Total Concentration of V	OCs			T				17.1											6.8						

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted = Less than Quantitation Limit

(D) = Duplicate sample

^{* =} Analysis by BC Laboratories

Table C4.3-1 (Cont'd) LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260 (concentrations in µg/L)

		76-93	-6 (well	is on	ann	ual san	spling)										W				
Constituent	MCL	Oct-9	3 (D)	Mar	94	May-94	Aug-94	Dec-94*	Mar-95*	Jun-95*	Aug-95	Nov-95	Feb-96	Jun-96	Aug-96	Dec-96	Feb-97	Aug-97	Jan-98	Aug-98	Feb-99
Aromatic and Non-Halo	genat	ed Hyd	drocarb	ons							•							<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u> 5</u>	
Benzene	1	<1	<0.8	5 <	122	<1		<0.5	<0.5	<0.5	<1	<1	<1	11 < 1 =	~	<1	্বা	<1	<1	<1	<1
n-Butylbenzene		15	<0.	5 <		<1	<1	<0.5	<0.5	<0.5	<1	<2	<2	<2	.∛ <1 66	<1	.: <1 ::.	~	<14	<1	<1
sec-Butylbenzene		<1	<0.8	5		<1	21 8	<0.5	<0.5	<0.5		<2	<2	<2	丰本1 章	<1	<1	i<1:::#	-5 < 1 50	×<1	<1
ter-Butylbenzene		a e<1	<0.	5 6 <	liin i	<1	44. <1 3.	<0.5	<0.5	<0.5	<1	2 <2∞	<2	<2	#418	<1	<1.	<1	<10	<1	<1
Ethylbenzene	700	4 < 1	<0.5	5	litio i	<1	- C	<0.5	<0.5	<0.5	<1	~2	<2	<2	~1	<1	<1	<1	<1	<1	<1
Isopropyibenzene		(4 < 1)	<0.	5 / <	186	<1	<112	<0.5	<0.5	<0.5	<1	1	11/1	*** 1 ***	<2	~2	<2	<2	<2	<2	<2
p-Isopropyltoluene		<1	<0.	5 <		<1	₹	<0.5	<0.5	<0.5	<1	<1	# 21 #	## #	1121	<1	~1 ~	<1	** <1	<1	<1
Naphthalene			<0.	5		~1	21	<0.5	<0.5	<0.5	1121	<1	1 3	* K1	<2	<2	<2	<2	<2	<2	· <2
n-Propylbenzene		<1	<0.	5		<1	<1	<0.5	<0.5	<0.5	1 S 1 1	<2	<2	<2	- (1)	<1	11 <100	<1	<1	<1	<1
Toluene	150	7	<0.	5 <		161	<1	<0.5	<0.5	< 0.5	<1	<1	<1	<1		<1	<1	<1.	<1	<1	<1
1,2,4-Trichlorobenzene	70	~	<0.	5 <	1 2	<1	<1	<0.5	<0.5	i:<0.5	41-4	4 < 1 m	~1	ii.≪1	<1	<1.	<1:	<1	<1	<1	<1
1,2,4-Trimethylbenzene		7	<0.	5	1974	<1.5	<1	<0.5	<0.5	<0.5	## < 1##	<2	<2	<2	-0<1	<1	#15#	112	<1	<1	<1
1,3,5-Trimethylbenzene		V	<0.	5 <	1999	<1		<0.5	<0.5	<0.5	(ii) < 1-10	<2	<2	<2	61	€1 °	48 < 189	121	<1	36217	<1
Xylenes, total	1750	1	<1	# # <	1888	<1	111	0 / 1 / 9	<1		1	<2	<2.2	<2	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydroca	rbons																	i			
Halogenated Non-Arom	atic H	iydroc	arbons															4			
Carbon Tetrachloride	0.5	ii<1:	<0.	5	Lijis		<10	<0.5	<0.5	<0.5	<1		# < 1 F	2 < 1 -	- n < 1	<1	<10	<1	1210	~1 ::	⊹ ≥1 :
Chloroform	100	11	<0.	5	188			<0.5	<0.5	<0.5	-121		-1	41-41-4	14. S. 144	- (< 1	<1	<1	* <1a	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	ି ବୀ
1,1-Dichloroethane	5	1.6	1.6		1988	1.5		1.5	0.98	0.72	1.0	1.2	14614	112	16483	100	## #	2 3 1 1	110/2/15/1	1 × 1 =	<1
1,2-Dichloroethane	0.5	** <1	<0.	5 ' <	1	*1	数を付款	<0.5	<0.5	<0.5	<1	*** 1 ***		#4<10°	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	Tel.	<0.	5			21	<0.5	<0.5	<0.5	<1	<1	***	<1	<1	285180		<1	<1	<1	<1
cis-1,2-Dichloroethene	6	- 31	<0.	5 <		-11 × 11 =	21°	<0.5	<0.5	<0.5	21	1121	<1	:: < t	- 1	*** < 1	<1	(1)	<1	9-1 <1	<1
trans-1,2-Dichloroethene	10		<0.	5 <	10,7	met is	<186	<0.5	<0.5	<0.5	<1.	£ i < 1 30±	S <1 B	<1	<1	<1	<1	. <1	<1	<1	<1
Methylene Chloride	5	#5. < 10	<0.	5<	ĬŽ.		<1	200 < 1000	## * 1	<1	<13	0.4100	98 (31)	<1	<1	<1	6 < 1 5	/ <1	<199	<1	<1
Tetrachloroethene	5	## e 18	~<0.	5 1.	3		# <1#	<0.5	<0.5	<0.5	en San	674 < 1 06	1.1	2.5	25 E E E E	*		<1	<1	28<1 3	<1
1,1,1-Trichloroethane	200	#<1	<0.	5	1944	*******	<1	20,5	<0.5	<0.5	- C1	<1	199 <1 39	- 21	<16"	<1	1413		<1	<1	<1
1,1,2-Trichloroethane	5	1872d	<0.	5 <	120	31	# 21 #	<0.5	<0.5	<0.5	1281		7001281055	<1	## 21	\$ 52 15 5	<1		19 2199	21	<1
Trichloroethene	5	**************************************	<0.	5 <	1	1	10 < 1 0	<0.5	<0.5	<0.5	113		1.2	1.1	100	21	45 × 15	<1		<1	<1
Freon-113	1200	15	50 (C. 566)	#MCJE	1	<1.5	<1	<0.5	<0.5	<0.5	<5	*** *********************************		<1	<1	<12	<1	-	<1	<1	<1
Vinyl Chloride	0.5	15.0	<0.	5 <	1886	<1	@ <1	<0.5	<0.5	<0.5	<1	. 15		<1	## ₹1 ;##	<1	<1	<1	<1	<1	. <1
Total Halogenated Hydroc	arbons	1.6	1.6	1.	3	1.5		1.5	0.98	0.72	1.0	1.2	2.3	3.6							
Total Concentration of \	/OCs	1.6	1.6	1.	3	1.5		1.5	0.98	0.72	1.0	1.2	2.3	3.6						l	

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted = Less than

⁼ Less than Quantitation Limit

⁼ Compound not included in analysis

^{* =} Analysis by BC Laboratories

⁽D) = Duplicate sample

Table C4.3-1 (Cont'd) LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		76-93-7	(well is	on ann																		
Constituent	MCL	Oct-93	Jan-94	(D)*	Jun-94	Aug-94	Dec-94*	Mar-95*	Jun-95*	Aug-95	Dec-95	Feb-96	Jun-96	(S)†	Jun-96†	Aug-96	Dec-96	Mar-97	Jun-97	Feb-98	Aug-98	Jan-99
Aromatic and Non-Hale	ogena	ted Hydi	rocarbor	าร																		
Benzene	1	#1 61 #	/ <1	<0:5	1 <1 9	1 1/2	<0.5	<0.5	<0.5	112	<1	<1	<1	<5	<5	<1	<1	1 × 1	1	<1	<1	<1
n-Butylbenzene		1141	<1	<0.5	<10	45.5135	<0.5	<0.5	<0.5	213	<2	<2	<2	<5	<5	<177	// <1 %	<1	<1	<15	<1	<1
sec-Butylbenzene		214	216	<0.5	\$<19	<1	<0.5	<0.5	<0.5	<1	<2	<2	<2	<5	<5	21	<1	<1 1	<1	<1	<1	<1
ter-Butylbenzene		1	*	<0.5	- e1	<1	<0.5	<0.5	<0.5	41	<2	<2	<2	<5	<5	1 <1.1	<1	<1	213	<1	<1	<1
Ethylbenzene	700	* 1	<	<0.5	<1	<1	<0.5	<0.5	<0.5	<1	<2	<2	<2	<5	<5	<1	<1	<1	<1	<10	<1	<1
Isopropylbenzene		~	(1)	<0.5	<1	<1	<0.5	<0.5	<0.5		# < 1	<12	< 1	<5	<5	<2	<2	<2	<2	<2	<2	<2
p-Isopropyltoluene		::: <1 :∹	a <100	<0.5	<12	<1	<0.5	<0.5	<0.5	V	5. <18.	E<15.	<1	<5	<5	SE < 1 SE	<i>i</i> <1∴	<1	<1	<10	<1	<1
Naphthalene		* (1)	<1	<0.5	%<1 =	V 1	<0.5	<0.5	<0.5	- <1	<1	∳ <1 €	<1			<2	<2	<2	<2	<2	<2	<2
n-Propylbenzene		441	<15.5	<0.5	ं रा	٧,	<0.5	<0.5	<0.5	V T	₹2	<2	<2	<5	<5	<1	<1	<1	41	<1	<1	<1
Toluene	150	7	**	<0.5		V	<0.5	<0.5	<0.5	## <1	71	<1	<1	<5	<5	<1	<1	P2413	113	ິ<1∷	<1	<1
1,2,4-Trichlorobenzene	70	27 21	<1	<0.5	# * 1#	<1	<0.5	<0.5	<0.5		414	#121E	<1	<5	<5	<1	<1	<1	<1	21	<1	<1
1,2,4-Trimethylbenzene			<1	<0.5	<1	1	<0.5	<0.5	<0.5		<2	<2	<2	<5	<5	<1	્<1ં	<1	ं रा	<1	<1	<1
1,3,5-Trimethylbenzene		< 1 €	~1	<0.5	<1	<1	<0.5	<0.5	<0.5	# <1 #	<2	<2	<2	<5	<5	<1	. < 1.	<1	<1	<1	<1.	<1
Xylenes, total	1750	V	< 1	<1	<1	<1	<1	<1	3<1 %	#4 61	<2	<2	<2	<10	<10	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydroca	arbons																					
Halogenated Non-Aron	natic F	lvdroca	rbons																		·	·
Carbon Tetrachloride	0.5	12 1 2 12 12 12 12 12 12 12 12 12 12 12 12 12	<1	<0.5	11411	調製料	<0.5	<0.5	<0.5	<1	<1	<1	<1	<5	<5	<1		<1	<1	<1	<1	<1
Chloroform	100	<1	3.0	3.1	<1	<1.	<0.5	<0.5	<0.5	<1	<	<1	<1	<5	<5	<15	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	5	, <1	<15.6	<0.5	<1	<1	<0.5	<0.5	<0.5	5 < 1	< 1	<1	<1	<5	<5	<1	V	<1	<1	. <1	<1	<1
1,2-Dichloroethane	0.5	ं<1 00	40 < 1 86	<0.5	<10	- <1@	<0.5	<0.5	<0.5	#E18	<1	/21	<1	<5	<5	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	** <168	< 1	<0.5	<1	<15	<0.5	<0.5	<0.5	#E19	<1	<1	<100	<5	<5	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	6	#41	<1	<0.5	<1	4814	<0.5	<0.5	<0.5	112	1 < 1	<1	1 < 1 :	<5	<5	<10	ं<1	<1	°<1	<1	<1	<1
trans-1,2-Dichloroethene	10	419	<1	<0.5	<1	21	<0.5	<0.5	<0.5	<1	<1.7	<1	1121	<5	<5	<1	<1	<1	<1	<1	<1	<1
Methylene Chloride	5	<1	<1	<0.5	:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<1	<1	14	% (1)	<1	<1	<1	<5	<5	<1	<1:	<1	· <1	<1	<1	<1
Tetrachloroethene	5	Z1 ,	10.5	4.4	2.7	# 6 1	0.81	0.73	<0.5	:	2.2	1.7	2841	<5	<5	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	200		<1	0.8	4<1.5		<0.5	<0.5	<0.5	<1	<1⊪	55. <1 5.	<1	<5	<5	<1	<1	<1	4<1	<1	<1	<1
1,1,2-Trichloroethane	5	4.61	< 1	<0.5	<1	75 < 1 5	<0.5	<0.5	<0.5	## < 1##	<1	<1	<1	< 5	<5 ∹	<1	<1	<1	#F-61	<1	<1	<1
Trichloroethene	5	## * 1	<1	<0.5	<1.1	<1	<0.5	<0.5	<0.5	# k 1#	<1	2 < 1	<1	<5	<5	2° <100	<1	<1"	<1	<1	<1	<1
Freon-113	1200	~		<0.5	<1	# <1 6-	<0.5	<0.5	<0.5	* 5	~ <1	212 T	<1			@ <1 55	<1	<1	# &1 %	€1/	<1	<1
Vinyl Chloride	0.5		<1	<0.5	<1	** *1	<0.5	<0.5	<0.5	* 1	# 21	<1	250 2 1 250	<5	<5	4 < 1 = 1	^{30,8} < 15° ⁴	<1	* < 1 °	ે < 1º	<1	<1
Total Halogenated Hydrod	carbons		13.5	8.3	2.7		0.81	0.73			2.2	1.7								1 44 - 1 44	- /	
Total Concentration of	VOCs		13.5	8.3	2.7		0.81	0.73			2.2	1.7			<u> </u>							İ

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

⁼ Less than Quantitation Limit

⁼ Compound not included in analysis

^{* =} Analysis by BC Laboratories

^{† =} Analysis by California Laboratory Services

⁽D) = Duplicate sample

⁽S) = Split sample

LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		77-93-8	(well is	on ann	ual samp	ling)														
Constituent	MCL	Oct-93	(D)*	Mar-94	Jun-94	Aug-94	Nov-94*	Feb-95*	May-95*	Aug-95	Nov-95	Mar-96	Jun-96	Jul-96	Dec-96	Маг-97	Aug-97	Feb-98	Aug-98	Feb-99
Aromatic and Non-Halog	enated	i Hydroc	arbons	i																
Benzene	1	<1	<0.5	集制器	<1	//<1	<0.5	<0.5	<0.5	~ < 1	11	<1	<1	<1	<1	<1	S.<1 S	<1	<1	<1
n-Butylbenzene		<1	<0.5	<155	<1	<1	<0.5	<0.5	<0.5	-	<2	<2	<2	ं<1 ं	::<1.::	<1	<1	< 1	<1	<1
sec-Butylbenzene		SE < 1	<0.5		<1		<0.5	<0.5	<0.5	<1.	<2	<2	<2	<1	<1	~ 1/-	<1°	٠ <u>٠</u>	<1	< 1
ter-Butylbenzene		<1	<0.5	##. <.1 ##		#<1##	<0.5	<0.5	<0.5	- < 1	<2	<2	<2	~<1	<1⊜	<1::	<1	<1	<1	<1
Ethylbenzene	700	<1	<0.5	55 <1 F	<1	isgi <il< b="">ein</il<>	<0.5	<0.5	<0.5	<1 <i>∞</i>	<2	<2	<2	<1	igo K illigen	:: <1:::	<1	<1	<1	<1
Isopropylbenzene		<1	<0.5		<1	- (<0.5	<0.5	<0.5	<1	<1	<1:	<1	<2	<2	<2	<2	v 2	<2	<2
p-Isopropyltoluene		<1	<0.5	F-21%	<1	195 <1 /16.	<0.5	<0.5	<0.5	<1	<1	ार 1री	<1	<1"	<1	<1	0.41 00	7	7	<1
Naphthalene		<1.	<0.5		<1	**1 **	<0.5	<0.5	<0.5	<1	<1 -	∯ c 1⊕	<1	<2	<2	<2	<2	<2	v 2	:::<2
n-Propylbenzene		<1	<0.5	355 A 100	1 m		<0.5	<0.5	<0.5	1 < 1	<2	<2	<2	<1	<1	′′<1	<1	<1	< 1	· <1
Toluene	150	<1	1.1		2 < 1	4119	<0.5	<0.5	<0.5	<1	<1	\$\$ 41 (8)	<1	<1	<1	<1	<1	<1	1	and <1
1,2,4-Trichlorobenzene	70	::< †	<0.5				<0.5	<0.5	<0.5	<1	ार्ग	# < 15E	े < 1 ः	<1	<1	<1	<1	<1	¥	<1
1,2,4-Trimethylbenzene		<1	<0.5	(1) c	114	<1	<0.5	<0.5	< 0.5	<1	<2	<2	<2	<1	<1	<1	<1	<1	V 1	<1
1,3,5-Trimethylbenzene		<1	<0.5	(4)	<1	414	<0.5	<0.5	<0.5	<1	<2	<2	<2	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	1750	<1.	<1.0	<1	<1	<1	<1	<1	<1	< 1	<2	<2	<2	<2	<2	<2	<2	<2	v 2	<2
Total Aromatic Hydrocarb	ons		1.1		<u></u>															
Halogenated Non-Aroma	tic Hyd	drocarbo	ons						:											
Carbon Tetrachloride	0.5	4	<0.5	41	2 < 1	<1	<0.5	<0.5	<0.5	<1	<1**	<1	2014 THE	11 <100	<1	<1	<1	<1	SS <199	<1
Chloroform	100	73	1.4	<1	<1	<1	<0.5	<0.5	<0.5	<1	د1	<1	<1	<10	<1	<1	<1	<1	<10	<1
1,1-Dichloroethane	5	<1	0.8	<1	<1	<1	0.71	0.67	<0.5	<1		<1	<1	%<1 ∴	<1	<1	<1	<1	41/	<1
1,2-Dichloroethane	0.5	e 1	<0.5	<1	<1	<1	<0.5	<0.5	<0.5	<1	د 1 د	3<1	2 1 7	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	<1	1.4	2.1	<1	<1	0.91	1.0	<0.5	<1	441	3 (<1)	<1	<1	<1	<1	~ < 1	<1	<1	<1
cis-1,2-Dichloroethene	6	~ 1	<0.5	∞ <1	<1	<1	<0.5	<0.5	<0.5	<12.		si <1 52	<1:	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	10	<1	<0.5	<1	<1	< 1	°.<0.5	<0.5	<0.5	<190	₹1	<.1	<1	<1	<1	<1	<1	<1	<1	<1
Methylene Chloride	5	<1	<0.5	ાં દેવાં	<1	< 7 €	<100	√1 <1 ***		· V	~1	es/<1%	<18	<1	<1	<1	218 1	<1	<1	<1
Tetrachloroethene	5	~1	<0.5	30 <1 00	ે <1	/4<1 %	<0.5	<0.5	<0.5	<1	<1		~ <1	## < 1 ##	<1	<1	<10	<1	<1	<1
1,1,1-Trichtoroethane	200		<0.5	11/4	~ 1	1/ <1	<0.5	<0.5	<0.5	<1		K	<1	<1	<1	<1	第41 第0	~1~	P-<1	<1
1,1,2-Trichloroethane	5	- - (-)	<0.5	7721	## 21 ##	*** 1#	<0.5	<0.5	<0.5	<1	441	<1	~1 2	<1	<1	<1:	<1	# 1 * 1	29 <1 00	<1
Trichloroethene	5	41	0.9	Mind Link	<1	144	<0.5	<0.5	<0.5	<1	<1		<1	***	21<	<1	<1	<1	T	<1
Freon-113	1200	<1		<1		**<1	<0.5	<0.5	<0.5	<5		<1	<1	**<1	<1	<1	<1	} <1 "	<1	<1
Vinyl Chloride	0.5	7	<0.5	15	***	**************************************	<0.5	<0.5	<0.5	<1	***	<1	<1	<1	<1	<1	<1	ੀ≐<1 [™]	<1*	<1
Total Halogenated Hydrocar	bons		4.5	2.1			1.62	1.67												
Total Concentration of VC)Cs		5.6	2.1			1.62	1.67										<u> </u>		

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

= Less than Quantitation Limit

= Compound not included in analysis

(D) = Duplicate sample

^{* =} Analysis by BC Laboratories

LBNL Groundwater Monitoring Well Results

Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		77-94-5																					
Constituent	MCL	Jun-94*	(D)†	Sep-94	Dec-94*	Feb-95*	May-95*	Sep-95	Dec-95	Mar-96	ปมก-96	Jul-96	Dec-96	Mar-97	May-97	Aug-97	Nov-97	Feb-98	May-98*	Aug-98	Nov-98	Feb-99	May-99
Aromatic and Non-Halog	genate	d Hydro	carbon	s																			
Benzene	1	<0.5	<5	<12	<0.5	<0.5	<0.5	<1	115	- 1 - 1 · · ·	106 < 1 082	<1	<10	<1	1 <1/5	<1	* <1 °	<1	<0.5	<1	~1	<1	<1
n-Butylbenzene		<0.5	< 5	* * 1 *	<0.5	<0.5	<0.5	<1	<2	<2	<2	- <1	<1	< 1	* 1	<1	##Z1#	<1	<0.5	7 < 10°	<1	1 <10	<1
sec-Butylbenzene		<0.5	<5	<1	<0.5	<0.5	<0.5	~1	<2	<2	<2	<1	1 210	<1	<1	<1	% <1	<1	<0.5	<1	<1	<1	<1
ter-Butylbenzene		<0.5	<5		<0.5	<0.5	<0.5	<1	<2	<2	<2	<1	<1	4 1	形とは鈴	<1	<1	<1	<0.5	ं<1 ं	<1	<1	<1
Ethylbenzene	700	< 0.5	<5	21	<0.5	<0.5	<0.5	<1	<2	<2	<2	<1	<1	۲,	#<1#	<1	<10	<1	<0.5	<1	<1	<1	< 1
Isopropyibenzene		<0.5	<5		<0.5	<0.5	<0.5	<1	<1:	<1	2<1	<2	<2	<2	<2	<2	<2	<2	<0.5	<2	v 2	<2	<2
p-Isopropyltoluene		<0.5	<5	<1	<0.5	<0.5	<0.5	<1	<1	<1	<1	<1	7	<1	<1	<1	<1	<1	<0.5	<1	<1	<1	<1
Naphthalene		<0.5	<5	<1	<0.5	<0.5	<0.5	<1	<1	<1	<1	<2	<2	<2	<2	<2	<2	<2	<0.5	<2	ं<2	<2	<2
n-Propylbenzene		<0.5	<5	ec 🗸 📖	<0.5	<0.5	<0.5	<1	<2	<2	<2	<1	∞ < 1	<10.7	<10	(1)	∜ <1.5	< 1	<0.5	* < 1	<1	<1	<1
Toluene	150	<0.5	<5	44 (3 1 22 4	<0.5	<0.5	<0.5	< 15	<1-	<1	<1	<1	v1	:::<1 	<1	<1	<1	<i>-</i> '<1∵	<0.5	<1	<1	<1	<1
1,2,4-Trichlorobenzene	70	<0.5	<5	<1	<0.5	<0.5	<0.5	<1	<1:-	<1.	e-1	<1	ં <1ં	<1	**<1***	S'<1 S	<1	<1	<0.5	<1	∵ ⊵1 ∴	<1	<1
1,2,4-Trimethylbenzene		<0.5	<5	# < 1 5#	<0.5	<0.5	<0.5	<1	<2	<2	<2	<1	<1	# ~ 1 # 1	<16	<1	<1	<1	<0.5	<1	~1	1 < 1	<1
1,3,5-Trimethylbenzene		<0.5	<5	₹1	<0.5	<0.5	<0.5		<2	<2	<2	<1	<1	## *	<1	- 3	5 < 1	<1	<0.5	₹1°	<1	41	<1
Xylenes, total	1750	<1.0	<10	# *	¥	1	Ÿ	13	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<1	<2	<2	<2	<2
Total Aromatic Hydrocart	ons																				_		
Halogenated Non-Aroma	itic Hy	drocarb	ons									,											L
Carbon Tetrachloride	0.5	<0.5	<5	<1.0	1.4	<0.5	<0.5	<1	<1:	<10	<1	<1:	<1	<1	<1.5	.⁄ < 1 ∵	~ <1 ·	্ৰা	<0.5	<1	· <1	€1.	< 1
Chloroform	100	<0.5	<5	<15	1.9	<0.5	<0.5	## < 1 in	<1	<1	<1	× 1	. <1	< 1	<1	<1/	F < 1 F	<1.	<0.5	<1	~ t 1	- <1 ·	<1
1,1-Dichloroethane	5	<0.5	<5	1 < 1 //	<0.5	<0.5	<0.5	<1	221	~1 25	1214	< 1	<1	<1		<1	50 < 1 54	- 1	<0.5	<1	<1	<1	<1
1,2-Dichloroethane	0.5	<0.5	< 5	۲	<0.5	<0.5	<0.5	< 10	<1	<1	214	₹2	<2	<2	<2	<2	<2	<2	<0.5	<2	<2	<2	<2
1,1-Dichloroethene	6	<0.5	্<5	\ 1	0.61	<0.5	<0.5	1121	<1	**************************************	1421	<1	新名4餘	-21	<1	<1	<16	: <1 ·	<0.5	21	** < 1 ·	<1	<1
cis-1,2-Dichloroethene	6	<0.5	<5∶	* \	1.6	<0.5	<0.5	20 2 (50	<1	<1	<1	۲1	<1	<1	F-24-3	<1	<1	° <1	<0.5	<1	<1	<1	<1
trans-1,2-Dichloroethene	10	<0.5	<5	ુર1	<0.5	<0.5	<0.5	<1	<1	<1	<1.	<1	<1	<1	- 15	<1	<10	<1	<0.5	<1	<1	<1	<1
Methylene Chloride	5	<0.5	<5	<1	<1	<1	را >	<1	741	<1	٠,	<1	<1	#21#	<1	. <1°	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	5	<0.5	<5	<16	36.0	<0.5	<0.5	<1		1.6	1	4.2	<1	<1	<1	<1	· <1	o < 1	<0.5	<1	<1	<1	< 1
1,1,1-Trichloroethane	200	<0.5	< 5	~	۷O.5	<0.5	<0.5	<1	<1	<1.	<1	⊹<1-	<1	<1	বা -	<1	<1	<1	<0.5	<1	<1	<1	<1
1,1,2-Trichloroethane	5	<0.5	<5	<1	<0.5	<0.5	<0.5	. <1	< 1	<1	<1	-: <1	< 1	<1	<1	41	45 < 100	<1	<0.5	<1	<1.0	<1	< 1
Trichloroethene	5	<0.5	< 5	<1	13.0	<0.5	<0.5	<1	<1	<1	<1	<1	<1	<1	्रा ।	<10	×1	<1	<0.5	~ f	<1	<1	< 1
Freon-113	1200	1.2		7 (2.4	<0.5	<0.5	<5	<1	<1	<1	1 <1/	· <1	<1		<1	<1	<1	<0.5	21	- 21 %	<1	<1
Vinyl Chloride	0.5	<0.5	<10	25 č 1 72	<0.5	<0.5	<0.5	- <100	<1	<198	# 2 1	< 1	<1	<1	41	# < 1:0	€1	<1	<0.5	<1	<1	<1	<1
Total Halogenated Hydrocar	rbons	1.2			56.91					1.6		4.2											
Total Concentration of VC	OCs	1.2			56.91			T		1.6		4.2											

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted = Less than Quantitation Limit = Compound not included in analysis

^{* =} Analysis by BC Laboratories

^{† =} Analysis by AEN

⁽D) = Duplicate sample

LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

Aromatic and Non-Hologensted Hydrocarbons			77-94-6 (v	vell is on	annual sa	ımpling)														
Benzene	Constituent	MCL	Jun-94°	(D)†	Sep-94	Dec-94*	Feb-95*	May-95*	Aug-95	Dec-95	Mar-96	Jun-96	(D)	Jul-96	Dec-96	Mar-97	Aug-97	Feb-98	Aug-98	Маг-99
Pulylbanzane	Aromatic and Non-Halog	enated	d Hydroca	rbons						· · · ·										
See Butylbenzene	Benzene	1	<0.5	<5	<1	<0.5	<0,5	<0.5	<1	<1/	//<15	1 < 1	<1	<1	<1	<1	<1	<1	6 < 1.5	<1
Info Butylbenzene	n-Butylbenzene		<0.5	<5	<1	<0.5	<0.5	<0.5	115	<2	<2	<2	<2	<1.7	<1	<1	<1	<1	<1	<1
Ethylbenzene	sec-Butylbenzene		<0.5	<5	<1	<0.5	<0.5	<0.5	<1	<2	<2	<2	<2	<1	<1	<1	< 1	<1	< 1	: <1
Sopropylbenzene	ter-Butylbenzene		<0.5	<5	<1600	<0.5	<0.5	<0.5	<1	<2	<2	<2	<2	<1	٧1	<1	< 1	<1	<1	<1
Pisopropyltoluene	Ethylbenzene	700	<0.5		<1	<0.5	<0.5		<1	<2	<2	<2	<2	<1	<1	<1	<1	(1	<1	<1
Naphthalene	Isopropylbenzene					<0.5	<0.5		- < 1-6	/ · <1	10 < 1 10	<1	W<1	<2	<2	<2	<2	<2	<2	<2
N-Propylebrane	p-Isopropyltoluene		<0.5		- <1°	<0.5	<0.5	<0.5	<110	# <1 ·	<1	<1	/ <1	<1	<1	<1	<1	ી⊲ <1 ાં	<1	. <1
Tolluene 150	Naphthalene				~1	<0.5	<0.5	************			48.4 4.1 67.8		2141	<2	<2	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	n-Propylbenzene					<0.5					€ <2	<2	<2	**<1	্ব1	* <1	** < 1 · ·	<1	<1	<1
1.2,4-Trimethylbenzene	Toluene	150			7 21	<0.5	<0.5						## *	<1	<1	#E<1	<1	<1	<1	<1
1,3,5-Trimethylibenzene	1,2,4-Trichlorobenzene	70			<1		<0.5			<1			F*<154	第<12	⁶⁷ <1□ ⁶	<1	<1	<1	<1	<1
Xylenes, total 1750 <1.0 <1.0 <1.0 <1.1 <1.1 <1.1 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2 <2.2	1,2,4-Trimethylbenzene		<0.5		## <1 ##	<0.5	<0.5	<0.5	<1	<2	<2	<2	<2	<1	<1	- "< 1 = 1	<1	<1	<1	<1
Total Aromatic Hydrocarbons Halogenated Non-Aromatic Hydrocarbons Carbon Tetrachloride 0.5 <0.5 <5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <	1,3,5-Trimethylbenzene			<5	<1		<0.5	<0.5	<1	<2	<2	<2	<2	! <1	<1	~~1~	<1	<1	<1	<1
Halogenated Non-Aromatic Hydrocarbons	Xylenes, total	1750	<1.0	<10	<1	<1	<1		<۱.	<2	<2	<2	<2	<2	<2	<2	<2	<2	< 2	<2
Carbon Tetrachloride 0.5 <0.5 <5 <1 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	Total Aromatic Hydrocart	оль											•				i			
Chloroform	Halogenated Non-Aroma	tic Hy	drocarbon	s					;											
1,1-Dichloroethane	Carbon Tetrachloride	0.5	<0.5	<5	<1	<0.5	< 0.5	<0.5	<1	-11	745 CT 1115	1442104	<1	77<1	<1"	<1	<1	<1	<1	<1
1,2-Dichloroethane	Chloraform	100	0.5	<5	4 <1	<0.5	<0.5	<0.5	<1	21	4 < 1	444	<1	212	**************************************	10×210×	<1	<1	<1	<1
1,1-Dichloroethene 6 < 0.5 < 5 < 1 < 0.5 < 5 < 1 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 <	1,1-Dichloroethane	5	0.5	<5		0.7	0.61	<0.5	<1	<1	#21#		<1	40<1	:6.41 in	¹ < 1 · ·	<1	<1	< 1	<1
Cis-1,2-Dichloroethene 6 <0.05 <5 <1 <0.5 <0.5 <0.5 <1 <1 <1 <1 <1 <1 <1 <	1,2-Dichloroethane	0.5	<0.5	<5	1 < 1	<0.5	<0.5	<0.5	<1	<1	<1	2 <1	~	<2	<2	<2	<2	<2	<2	<2
Irans-1,2-Dichloroethene	1,1-Dichloroethene	6	<0.5	~5	11	<0.5	<0.5	<0.5	<1	<1	# < 1#		<1	<10	<1	<1	<1	<1	<1	<1
Methylene Chloride 5 <0.5 <5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <td>cis-1,2-Dichloroethene</td> <td>6</td> <td><0.5</td> <td><5</td> <td><1</td> <td><0.5</td> <td><0.5</td> <td><0.5</td> <td><1</td> <td><1</td> <td>- <1</td> <td></td> <td>/ < li</td> <td><1</td> <td><1</td> <td>%1</td> <td><1</td> <td><1</td> <td><1</td> <td><1</td>	cis-1,2-Dichloroethene	6	<0.5	<5	<1	<0.5	<0.5	<0.5	<1	<1	- <1		/ < li	<1	<1	%1	<1	<1	<1	<1
Tetrachloroethene 5	trans-1,2-Dichloroethene	10	<0.5	<5	< 1	<0.5	∴<0.5	<0.5	<1	<1:-			< 1	<1	<1	<1	<1	ar <1 m	5 < 15	<1
1,1,1-Trichloroethane 200 <0.5	Methylene Chloride	5	<0.5	<5	<1	<1	<1	< 1 · · ·	<1	<1	-: <1 -:	// to	∴ ₹1 %	<1	<15	25. < 10€	< 14	<1	<1	<1
1,1,2-Trichloroethane 5 <0:5	Tetrachloroethene	5	<0.5	<5	<1	<0.5	<0.5	<0.5	-1 de la 1	# <166	<1	<1	<1	<1	<1	<1	<1	% < 1870	ି <1≘	<1
Trichloroethene 5 <0.5 <5 <0.5 <0.5 <0.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1<	1,1,1-Trichloroethane	200	<0.5	<5	<1	<0.5	<0.5	<0.5	2121	### 11M	420 21 1845	<1.5	<10	<1	<1	**/ * 1A:	<1	<10	<1	<1
Freon-113 120 1.2 <1 <0.55 <0.55 <2.055 <2.055 <2.055 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <2.15 <th< td=""><td>1,1,2-Trichloroethane</td><td>5</td><td><0.5</td><td><5</td><td>213</td><td><0.5</td><td><0.5</td><td><0.5</td><td><1</td><td>1</td><td>3241</td><td></td><td><13</td><td>49-14</td><td><1</td><td><1</td><td>* <1*</td><td>~1=</td><td></td><td>inic15</td></th<>	1,1,2-Trichloroethane	5	<0.5	<5	213	<0.5	<0.5	<0.5	<1	1	3241		<13	49-14	<1	<1	* <1 *	~1 =		inic15
Vinyl Chloride 0.5 <0.5 <1.0 <1.0 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	Trichloroethene	5	<0.5	<5	< 12	<0.5	<0.5	<0.5	~ 1 =	24.51% ·	4444 T	## < 1	## *	WE <1	18 18 18 18 18 18 18 18 18 18 18 18 18 1	<1	<15	ं दा	<1	<1
Total Halogenated Hydrocarbons 1.7 0.7 0.61	Freon-113	1200	1.2		<1	<0.5	<0.5	<0.5	<5 ₫	38 1	<1	<1	* <1	** <1 ***	<1	<1	<1	<1	<1	~1
	Vinyl Chloride	0.5	<0.5	<10	<1	<0.5	<0.5	<0.5	<1		115	<1	<13	44/21/12	© <1≈.	<1	<1	141	<1	<1
7.4.0	Total Halogenated Hydroca	rbons	1.7			0.7	0.61													
I DIGIT CONCENTRATION OF VOUS 1.7 0.7 0.61	Total Concentration of VC	OCs	1.7		T	0.7	0.61							T	I				1	T

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted



⁼ Less than Quantitation Limit



⁼ Compound not included in analysis

^{* =} Analysis by BC Laboratories

t = Analysis by AEN

⁽D) = Duplicate sample

Table C4.3-1 (Cont'd) LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		75-96-20														
Constituent	MCL	Mar-97	(D)*	Jun-97	Aug-97	Nov-97	Feb-98	May-98	Sep-98	Nov-98	Feb-99	May-99	Sep-99	Nov-99	Mar-00	May-00
Aromatic and Non-Haloge	nated H	ydrocarbon	s													
Benzene	1	33 < 1	<0.5			340~156年	< 10	## <1			94 41 56	<1	\$55 7 155	100 (1 996)	<1	- <1
n-Butylbenzene			<0.5	<1:		348 /1 348	41 1111	# <1	- 41	-<1	54 /21 100	左连 <1 45號	-%-<1° ○	~ ~1	1992 (1 996)	√ <1
sec-Butylbenzene		* * *	<0.5	<1	112		****		<1	49 < 1 B		<1	<1	5 C 21	<1	∵<1
ter-Butylbenzene		1	<0.5	11	774	<1	****	****	<1	<1	/1	## **	~~1	*** <1 ***	<1	1 441
Ethylbenzene	700	<1	<0.5		****	<1	- <1 I	<1		<1	<1	24 1 24	<1	<1	<1	<1
Isopropylbenzene		<2	<0.5	<2 □	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
p-Isopropyltoluene		<1	<0.5			₩ < 1	14		21	2 < 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1		# <15 à	<1	<1	<1	· "<1 · ·
Naphthalene		<2 ···	<0.5	<2	<2	~ <2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
n-Propylbenzene		<1,-	<0.5	<15	### < 1₩##	indi < lames	- 1	en.e. <1 .,de	41 < 1	% <1 ∴	€.5<1 ,%-	<1√	ass <1 %	<1	<1	<1
Toluene	150	<1	<0.5	5565 <1 1550	:::::::::::::::::::::::::::::::::::::	1864 - 1 866		atropi <-1 com	### <1	-36 <1	<1	<1	e::<1:::	# * (]	. iii <1⊓	· <1
1,2,4-Trichlorobenzene	70	<1	<0.5	- 18 m	### <1		< !	4.44	45 < 1 8-4	<1	<1-	F-(<1-)	<1	<1 * :	<1	⁻ <1
1,2,4-Trimethylbenzene		<1	<0.5	59 ~ 1 0 E	\$\$#\$ <1 48\$#		2 < 1	<1		11 < 1	***** *******************************	- 15	<1	F-101	``∜ <1'	<1
1,3,5-Trimethylbenzene		<1	<0.5	<1	2012/11/2012	14 4 17 15	<1	<1	# 18 2 18 G	~1	- 1	三三人 1一位	<1	<1	<1.	<1
Xylenes, total	1750	<2	75.4 1 .5	<2	<2	<2	<2	<2	€ ć2	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocarbo	ns .															
Halogenated Non-Aromati	c Hydro	carbons					,									•
Carbon Tetrachloride	0.5	<1	<0.5		- <1	<1		## (1 H#	<1	<1	4 < 1 P	《即 名1 形集	Sevie 1. 50	<1	<1	<1
Chloroform	100	<1	0.84	2.5	1.3	1.3	1.0	1.3	<150	/ <1	604674	<1	<1	#161	<1	:: <1
1,1-Dichloroethane	5	<1	<0.5	1.0			<1	Sees of Sees		112	1007-100	## *21	25215		< 1 1 4	<1
1,2-Dichloroethane	0.5	<2	<0.5	<2	<2	<2	<2	2	₹2	<2	<2	2 < 2 · · ·	<2	<2	<2	<2
1,1-Dichloroethene	6	<1	<0.5	<1		<	<1	<1	115	<1	## < 100	#151	<1	** <1 **.	<1	<1
cis-1,2-Dichloroethene	6	2.0	3.2	6.3	2,7	2.8	1.7	2.6	2.2	2.3	1.8	1.9	2.7	3.0	2.6	2.9
trans-1,2-Dichloroethene	10	<1	<0.5	<1	% <1	<1,-	<1	41		## *	\$ (<1	§	<1	ं∂ <1	ra <1 -	:: <1 ·
Methylene Chloride	5	c1	<1	- <1	<1	4 distrib	<14.6	141			1	<1	<1	<1	ं <165	<1
Tetrachloroethene	5	2.4	<0.5	<1	# <1	**************************************	<1 4	## <1	18 4 18 4	F-12-12-12-12-12-12-12-12-12-12-12-12-12-	100	2007 <1 305	<1	11 c1	1.6	<1
1,1,1-Trichloroethane	200	<1	<0.5	18 6	### <1 0##	51545	<100	41	<1.	## < †	# <1 //	<1	<1	學<1	<1	<1
1,1,2-Trichloroethane	5		<0.5	-15	##<1##	****	<1	F-119		199 < 1 99	多一<1	75 21 50	ং † ি	<1	<1	^{27.7} <1
Trichloroethene	5	6.0	5.0	12.0	7.3	8.6	7.3	9.3	5.8	5.3	. 5.6	4.7	7.0	6.1	7.7	4.4
Freon-113	1200	~1	<0.5	<1	المائح		27/21/18		<1	<1	110	256415	<1	<1	<1	:::<1
Vinyl Chloride	0.5	<1	<0.5	<1	<1	<1	11		<1	<1	# <1	<1	<1	4 <1	<1	<1
Total Halogenated Hydroca	arbons	10.4	9.04	21.8	11.3	12.7	10.0	13.2	8.0	7.6	7.4	6.6	9.7	9.1	11.9	7.3
Total Concentration of VOC	Cs	10.4	9.04	21.8	11.3	12.7	10.0	13.2	8.0	7.6	7.4	6.6	9.7	9.1	11.9	7.3

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

⁼ Less than Quantitation Limit

^{* =} Analysis by BC Laboratories

⁽D) = Duplicate sample

Table C4.3-1 (Cont'd) LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		75-97-5		,							75-97-6	well is o	n annuai	sampling	}				
Constituent	MCL	Aug-98	(D)*	Nov-98	Mar-99	May-99	Sep-99	Nov-99	Feb-00	May-00	Aug-97	(D)*	Dec-97	Feb-98	May-98*	Aug-98	Nov-9B	Mar-99	May-99
Aromatic and Non-Haloge	nated F	lydrocarbo	ons																1
Benzene	1	1 < 1	<0.5	<1	// <1 🛊	<1	<1	<1-	<1	<1	<1	<0.5	***<1 ::	<1	<0.5	্ব1	<127	<1	<1
n-Butylbenzene		<1	<0.5	<1	<1		e<1.0	<1	<1	<1	2.<1.0	<0.5	<1	% < 1	<0.5	€ to € 1.00	<1	· <1	<1
sec-Bulylbenzene	ŀ	<1	<0.5	<1	<1	s. <1-	24.<15.0a	5-6 <1		-4-1	ada <1 300	<0.5	# * 1 * 1	65 < 1 5 (<0.5	<1	* *<1	<1	<1
ter-Butyibenzene		<1	<0.5	<1	<1		## <1	41 × 10 × 10	<1	<1	649 c 1939	<0.5	941 C	<1	<0.5	<1	2 4 1 1		∞/<1 ×
Ethylbenzene	700	Sec 1	<0.5	(< 1	<1	## <1 9#£	<1	1 <1	0a < 1		884188	<0.5	388(<1 186	44 4 12 4	<0.5	٧٦.	<1	<1	<1
Isopropylbenzene		<2	<0.5	<2	//<2: A	<2	314 42 16	<2	<2	4<2	<2	<0.5	1 <2	~~2	<0.5	<2	<2	<2	<2
p-Isopropyltoluene		:::: <1 ;;;;;		## <1 %	***<1	315 < 1 515	re c Pin	## ! **	4<1	<10	545641945	< 0.5	# e iss	<100	< 0.5	M64194		<1	<1
Naphthalene		<2	<0.5	<2	<2	<2	2	<2	<2	<2	<2	<0.5	<2	<2	<0.5	<2	<2	<2	<2
n-Propylbenzene		54.C< 156.00	<0.5	/c1	1			<1	111	2000 - 1 190	2004	<0.5	19541	<1	< 0.5	- 15°	- <1 °	~ <1	<1
Toluene	150	au < 1 8 %	<0.5	## *	## * 1	100	## <1 10	<1	<1	100 6110	1000001000	<0.5	1000 N 1 010	<110	<0.5	* <1 **	7-31-3	<1	<1
1,2,4-Trichlorobenzene	70	<1	<0.5	<1	**************************************	41 < 1	2012	1127	1972	0425-2 1 6-0	POST THOSE	<0.5	anir Zipasi	35.72	<0.5	<1	5 6 2 1 1 1 1	<1	<1
1,2,4-Trimethylbenzene		<10.23	<0.5		111			<1	1121	7.05°C 550	#4507 To 1000	<0.5	likeleje o	<1	<0.5	2100	0.831	<1/	<1
1,3,5-Trimethylbenzene		F < 1	<0.5	41	944 4 168	· <1	115	- 1	21	24<1	Holes I House	<0.5	15 61	## < 1 }	<0.5	<1	<1	<1	<1
Xylenes, total	1750	<2	<1	<2	<2	42	<2	<2	<2	<2	2	<1	<2	<2	<1	<2	<2	<2	<2
Total Aromatic Hydrocarbo	กร																2011.1.4		
Halogenated Non-Aromati	c Hydro	carbons																	I
Carbon Tetrachloride	0.5	1	<0.5	44 KI	9 < 1	<1	:::: 1 E	Sai e Bad	<1	<1	<1.	<0.5	<1	<1	< 0.5	<1	~ <100	10 < 1 (0)	<1
Chloroform	100	201 < 1 0000	<0.5	## <1	## <1 ###	7	<1		100 e 1	<1	A < 1	<0.5	<1	<1	<0.5	<1	100 21 60	<1	<1
1,1-Dichloroethane	5	1.4	1.8	1.8	3.5	2.7	2.2	2.2	2.2	2.7	3841	<0.5	::::::::::::::::::::::::::::::::::::::	2 <1	<0.5	<15	્રેલ ે (1) ફે	<1	<1
1,2-Dichloroethane	0.5	<2	<0.5	<2	×2	-<2	<2	<2		## 2	<2	<0.5	<2	<2	<0.5	<2	<2	<2	<2
1,1-Dichloroethene	6	1.5	2.2	1.9	2.1	3.5	2.9	3.0	3.1	4.0	100 et 100	<0.5	210	9/4/19/	<0.5	×6 <10	<u> </u>	<u>ر د</u>	
cis-1,2-Dichloroethene	6	100 ~1 000	<0.5	~~1	- <1 C	44 < 1 / 14	15	55 E < 1 755	<1		4921	< 0.5	∴ <1	- 1×	< 0.5	79. 21	ंदा	- <155	<1
trans-1,2-Dichloroethene	10	# < 1 1 H	<0.5	<1	(1 < 1 / h	~1	<1	2130	ite et inie	omerce.	<1	<0.5	<1	1000 - 1 000	<0.5	585 21 36	<1	2721	<1
Methylene Chloride	5	~1	<1	<1	*** *********************************	1992 ~ 1 1992	e c1	<1	1911 < 1111	444 2 1236	Miles ne	21 ¹	**<1	75 < 1 5 5	<10	<1	<t< td=""><td><1</td><td><1</td></t<>	<1	<1
Tetrachloroethene	5	%: <1	<0.5	<1			20 -21	<1	# *	2.022	887215.0T	<0.5	- <i< td=""><td>77 - 19 -</td><td>< 0.5</td><td>**************************************</td><td><1</td><td><1:</td><td>- 1 × 1 · ·</td></i<>	77 - 1 9 -	< 0.5	**************************************	<1	<1:	- 1 × 1 · ·
1,1,1-Trichloroethane	200	< 1	<0.5	<1	<1	(# < 1 = 1	4466 1	<1	*****	izioletti paditi.	100 and 100 an	0.68	(1	100 × 100 ×	<0.5	<1		<1	<1
1,1,2-Trichloroethane	5	51 <1	<0.5	<1		12 × 1		**************************************	₩ <1	1>30	Distriction of	<0.5	23 27 66	. ct ≤	<0.5	<1	<1	<1	<1
Trichloroethene	5	**************************************	<0.5	<1 **	74 ~ 1 1		<1		1121		8 19 2 1 12 2	<0.5	61	on/≥too	<0.5	<12	<1	50 < 1 %	<1.
Freon-113	1200	**************************************	<0.5	<1	#14#	1	## **	11211	41		ार्च ।	<0.5	113	# 21	<0.5	**	~1	- - 1	<1
Vinyl Chloride	0.5	<100	<0.5	<1	~~1	<1	753	223	# <1	* 1 * 8		<0.5	- 27	- 1	<0.5	<1	<1	<1	<1
Total Halogenated Hydroca	rbons	2.9	4.0	3.7	5.6	6.2	5.1	5.2	5.3	6.7		0.68					. ",	e ja tve 🖦 popera.	
Total Concentration of VOC	Cs	2.9	4.0	3.7	5.6	6.2	5.1	5.2	5.3	6.7		0.68							i

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted = Less than Quantitation Limit

* = Analysis by BC Laboratories

(D) = Duplicate sample

YES HOLD WERE BUILDING

LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

n-Buythenzene			75-97-7	well is o	on annual	samplin	g)					69-97-8									
Benzane	Constituent	MCL	Jul-97	(D)*	Dec-97	Jan-98	May-98*	Aug-98	Nov-98	Feb-99	May-99	Feb-98	Jul-98	(D)*	Nov-98	Jan-99*	May-99	Aug-99	Nov-99	Feb-00	May-00
n-Buytherzene c1 c0,5 c1 c1 c0,5 c1 c1 c1 c1 c1 c1 c1 c	Aromatic and Non-Halod	enated	Hvdroca	arbons																	
Sep-Buylbenzeme	Benzene	1	- k 1	<0.5	<1	<.1.	<0.5	<1	<1	<1	A <10a	<1.0	<1	<0.5	<	<0.5	::<1·	<1	<1	<1	<1
ter-Butylbenzene	n-Butylbenzene		<1	<0.5	<1	- (1	<0.5	25 < 1 5	-62. <1	< 1	201<155c	<1	<1	<0.5	<1	<0.5	<1	<1	<1 in	<1	<1
Ethybenzene	sec-Butylbenzene		<1	<0.5	<1	<1	<0.5	~1			<1	<1	<1	<0.5	<1	<0.5	<1	<1.	~ <1 =	e	<1
Sepropylbenzene	ter-Butylbenzene		::<1::::::	<0.5	# <1	<1	<0.5	<1	<1	. c 1	5% < 1 .⊕	<1	. <1	<0.5	<1	<0.5	<1	<1	:-:: <1 -:::	<1	<1
p-isopropytiotuene	Ethylbenzene	700	. 6. < 1 . 6.	<0.5	496	<1	~~~~				#2 <1 %n	786 <1 38	ilisii < 1 isoni	<0.5	-46 < 1 500	<0.5	:<1 €	<1	<1	<1	<1
Naphthalane	Isopropylbenzene		·::<2	<0.5	<2		<0.5		2		##<2%	#i≪2 :-	## <1	<0.5	ং<2	<0.5	<2	<2	<2	<2	<2
n-Propybenzene	p-Isopropyltoluene	<u> </u>	- 	<0.5								2001 < 1 000	2.1	2,8		<0.5	24 <1 0%	<1	ং 1	<1	<1
Toluene 150 < 1 < 0.5 < 1 < 1 < 0.5 < 1 < 1 < 1 < 0.5 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 <	Naphthalene		<2		<2				22		<2	<2		<0.5	<2	<0.5	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene 70 <1 <0.5 <1 <1 <0.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	n-Propylbenzene		<1	<0.5		- (1	<0.5	## *1 99	869 <1 28	<1:	<1	11	788 < 1 888	<0.5	::-:<1:00°	ं <0.5	<1	<1	<1:	<1	<1
1,2,4-Trimethylbenzene	Toluene	150	110	<0.5	200 <1	4 1	<0.5	35.41	W<15	444	##151###	<1	2019	<0.5	<1	<0.5	/ *<1 ⊕	50 < 1 56		<1	<1
1,5-Trimethylbenzene <1 < 0.5 < 1 < 1 < 0.5 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 <	1,2,4-Trichlorobenzene	70		<0.5	****	<1	<0.5	<1	## <1 ##	1-7<1		<1.0	1 < 1	<0.5	3/ <1 /	<0.5	ं<1 ⊩	<1	ं<1 ः	<1	1 <1 =
Xylenes, total 1750 <2 <1 <2 <2 <1 <2 <2 <1 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2 <2	1,2,4-Trimethylbenzene	<u> </u>		<0.5		F <100	<0.5	/ <1 ·	198	****	**************************************	61 < 1 (2)	40<170	<0.5	<1	<0.5	140 21 400	<1	<1	: <1°	<1
Total Aromatic Hydrocarbons	1,3,5-Trimethylbenzene	<u> </u>		<0.5			<0.5	SEE < 12.5		<1	***<1 ****	# < 1 !!		<0.5	<1	<0.5	<1	<1	ं ′≷1ंं	<1	<1
Halogenated Non-Aromatic Hydrocarbons Carbon Tetrachloride	Xylenes, total	1750	<2	*1 **	<2	<2		<2	<2	<2	10 < 2 ::	<2	<2	<0.5	<2	< 0.5	<2	<2	<2	<2	<2
Carbon Tetrachloride	Total Aromatic Hydrocart	ons											2.1	2.8							
Chloroform 100 <1 < 0.5 <1 < 1 < 0.5 <1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1	Halogenated Non-Aroma	itic Hy	drocarboi	ns										7							
1,1-Dichloroethane	Carbon Tetrachloride	0.5	<1	<0.5	<1	<170	<0.5	<1 ₁	<1	<1	<1	1 < 1	<1	<0.5	<1	<0.5	<1.5	<1	<1	<1	<1
1,1-Dichloroethane	Chloroform	100	*** <1 ***	<0.5	<1	<1	<0.5	<1:::	8<1	M4<188	<1	#4<1 #	an < 146	<0.5	<1	<0.5	<1	<1	<1	<1	<1
1,2-Dichloroethane 0.5 <2	1,1-Dichloroethane	5	- ct	<0.5		< 1	<0:5	×		7/41	<1	144 < 1 144	£ <1	<0.5	<1	<0.5	<1	<1	··· <1	5 5 15 m	
1,1-Dichloroethene 6 <1	1,2-Dichloroethane	0.5	<295	<0.5	<2	<2	<0.5	<2	<2	<2.,	<2	<2	<2	<0.5	<2	** /	<2	<2	<2		
cis-1,2-Dichloroethene 6 <1 <0.5 <1 <0.5 <1 <1 <0.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <t< td=""><td>1,1-Dichloroethene</td><td>6</td><td><1</td><td><0.5</td><td></td><td>ĕw₹1nka</td><td><0.5</td><td>ike<1##</td><td><1</td><td><1</td><td>(4<1%</td><td>#5.<1##</td><td><1</td><td><0.5</td><td>Partie Turky</td><td><0.5</td><td></td><td></td><td><1</td><td></td><td></td></t<>	1,1-Dichloroethene	6	<1	<0.5		ĕw ₹1 nka	<0.5	ike <1 ##	<1	<1	(4 <1 %	#5. <1 ##	<1	<0.5	Partie Turky	<0.5			<1		
trans-1,2-Dichloroethene 1.0 <1 <0.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <t< td=""><td>cis-1,2-Dichloroethene</td><td>6</td><td>~1</td><td><0.5</td><td>~1</td><td>##Z16#</td><td><0.5</td><td>100<100</td><td><1</td><td><1</td><td><1</td><td>26.5</td><td>19.6</td><td>23.0</td><td>27.8</td><td>20.0</td><td>29.4</td><td>20.6</td><td>27.1</td><td></td><td></td></t<>	cis-1,2-Dichloroethene	6	~1	<0.5	~1	##Z16#	<0.5	100 <1 00	<1	<1	<1	26.5	19.6	23.0	27.8	20.0	29.4	20.6	27.1		
Methylene Chloride 5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	trans-1,2-Dichloroethene	10	<1	<0.5		## <1 ##	<0.5	## < 1	44/41	8516 < 1 888	# č1	## <1 iii	<1	<0.5	\$61 41 90.	<0.5	55K155				
Tetrachloroethene 5 <1 <0.5 <1 <0.5 <1 <0.5 <1 <1 <0.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	Methylene Chloride	5	11/1	50° <1 0°		44614	11976		414	## *1 ##	<1	1 > 6	2 <1	<0.5	357<155	<0.5	19 < 1 = 1	<1.	146-140	135 c 155	
1.1,1-Trichloroethane 200 <1	Tetrachloroethene	5	- 31	<0.5	994	## < 1	<0.5	<1	416114	<1		13 21 3 3 3 3 3 3 3 3 3 3	\$# ~ [##]	<0.5	20° < 1	<0.5	2865 - 1 1.466	<1	~ <1	<1	
Trichloroethene 5 <1 <0.5 <1 <0.5 <1 <0.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <td>1,1,1-Trichloroethane</td> <td>200</td> <td>~1</td> <td><0.5</td> <td></td> <td>797<1</td> <td><0.5</td> <td>**************************************</td> <td>1987</td> <td><1</td> <td>12 < 1 (1)</td> <td><1</td> <td><1</td> <td><0.5</td> <td>\$9.4190</td> <td><0.5</td> <td><1</td> <td>3.2</td> <td>100 31 000</td> <td></td> <td> </td>	1,1,1-Trichloroethane	200	~1	<0.5		797 <1	<0.5	**************************************	1987	<1	12 < 1 (1)	<1	<1	<0.5	\$9. 41 90	<0.5	<1	3.2	100 31 000		
Trichloroethene 5 <1 <0.5 <1 <0.5 <1 <0.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <td>1,1,2-Trichloroethane</td> <td>5</td> <td><1</td> <td><0.5</td> <td>111</td> <td>1/4</td> <td><0.5</td> <td></td> <td>115</td> <td>1121</td> <td></td> <td>(F) (F)</td> <td>1></td> <td><0.5</td> <td><1</td> <td><0.5</td> <td>2000</td> <td>4431</td> <td><1</td> <td><1</td> <td><1</td>	1,1,2-Trichloroethane	5	<1	<0.5	111	1/4	<0.5		115	1121		(F) (F)	1 >	<0.5	<1	<0.5	2000	4431	<1	<1	<1
Freon-113 1200 <1 <0.5 <1 <1 <0.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	Trichloroethene	5	<1	<0.5	SE CHIEF		<0.5	90 ~ 1	1	<1	<1	<1	<1	<0.5	<1	<0.5	S <1	71	<1	<1	
Vinyl Chloride 0.5 <1 <0.5 <1 <0.5 <1 <0.5 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	Freon-113	1200	**************************************	<0.5	13	<1	<0.5	UT < 1	21	111	**************************************	<1	## 1	<0.5	<1		<1	दा	<1		
Total Halogenated Hydrocarbons 26.5 19.6 23.0 27.8 20.0 29.4 23.8 27.1 20.8 21.0	Vinyl Chloride	0.5	<1	<0.5	15	<1	<0.5		112	<1	areas and	<1	2 3 1	<0.5	<1		<1		<1	<1	
Total Concentration of VOCs 26.5 21.7 25.8 27.8 20.0 29.4 23.8 27.1 20.8 21.0	Total Halogenated Hydro	carbon	s									26.5	19.6	23.0						1	
	Total Concentration of VO	OCs										26.5	21.7	25.8	27.8	20.0	29.4	23.8	27.1	20.8	21.0

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted = Less than Quantitation Limit

* = Analysis by BC Laboratories

(D) = Duplicate sample

LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		77-97-9 (w	vell is on	annual s	ampling)						77-97-11	(well is	on annual	sampling	1)	<u></u> -		
Constituent	MCL	Aug-97	(D)*	Dec-97	Feb-98	May-98*	Aug-98	Nov-98	Mar-99	May-99	Jul-97	(D)*	Dec-97	May-98*	Aug-98	Nov-98	Mar-99	May-99
Aromatic and Non-Halog	enated	d Hydrocar	bons															
Benzene	1		<0.5	<1	<1:	<0.5	<150	1441		<1		<0.5	<1	<0.5	12 < 1 12 1	<1	ি ২1%	ं< 1
n-Butylbenzene		7	<0.5		<1	<0.5	**	<1	<1	2005 1 200		<0.5	<1	<0.5		300~10年	<1	.: <1
sec-Butylbenzene		<1	<0.5	<1	<1	<0.5	<1	ব	<1	<1	<1	<0.5	ंदा	<0.5	<1	ে <1 🦠	ा≼1 ि:	<1
ter-Butylbenzene			<0.5	# < 1	~<1	<0.5	<1	<1.5	<1	<1	44.	<0.5	<1	<0.5	<1	<1.5	#:5 <1	<1
Ethylbenzene	700	1 41.00	<0.5	344 < 1 443	:::::<1:::::	<0.5	m%<1595	ce <155	<1	<1:	aa < 1	<0.5	ं < 1	·<0.5	<1	::<1 ::	1	<1
Isopropylbenzene		<2	<0.5	<2	·· <2	<0.5	<2	- (-<2 iii	di⇔<2 /	<2	<2.0	<0.5	<2	<0.5	<2.4	<2	<2	<2
p-Isopropyltoluene		<1	<0.5	## < 1944	1002	<0.5		**************************************	· /<1	## < 1 ##	<1	<0.5	<1	<0.5	<1	<1	<1	<1
Naphthalene		// 2	₹0.5	<2	## < 2	<0.5	2 42	- (2 iii)	<2	<2	<2	<0.5	<2	<0.5	₹2	<2	<2	<2
n-Propylbenzene		<1	<0.5			<0.5			189219		***	<0.5	115	<0.5	100 ~ 1 100	P=<197	201	· <1
Toluene	150		<0.5	4144		<0.5	7772		11	189 24 945	<1	<0.5	# <1 F	<0.5	**************************************	<12	# 121	<1
1,2,4-Trichlorobenzene	70		<0.5	<1	# * 1	<0.5					<1	<0.5	<1	<0.5	~1	247	2 < 1	^{ार} <1
1,2,4-Trimethylbenzene			<0.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	timetri quet	<0.5	1 27	<1			<1	<0.5	<1	<0.5	<1	<1	<1	<1
1,3,5-Trimethylbenzene		- 1	<0.5	# < 1		<0.5	<1		## *	<1	<1	<0.5	<1	<0.5	<1	_ <1	1 <1	<1
Xylenes, total	1750	<2	(1)	<2	<2	****	<2	<2	<2	<2	<2	<1	<2	<1	<2	<2	<2	<2
Total Aromatic Hydrocarb	ons																	
Halogenated Non-Aroma	tic Hy	drocarbons	s					:										
Carbon Tetrachloride	0.5		<0.5	<1	*** *********************************	<0.5	****	****		1 < 1	1 3	<0.5	201 < 1 50	<0.5	<100	16/41/9	## *1	<1
Chloroform	100		<0.5	<1		<0.5	15° < 15°	111/21/11		<1	105121100	<0.5	1997 1 997	<0.5	<1	1141	186 <1 06	2.2
1,1-Dichloroethane	5		0.67	<1	1 1111	<0.5	 	1116				0.51	4862128	<0.5	198	~1	10 -1 10-1	<1
1,2-Dichloroethane	0.5	<2	<0.5	<2	<2	<0.5	<2	<2	<2	<2	<2	<0.5	<2	<0.5	<2	<2	<2	<2
1,1-Dichloroethene	6	<1	<0.5	<1	<1	<0.5	<1	<1	31	- < t	46<1	<0.5	<1	<0.5	<1	<1	#4 < 1#	:∴<1
cis-1,2-Dichloroethene	6	< 1	<0.5	<1		<0.5	<1	~ <1	<1	<1	*** 1/4	<0.5	<1	<0.5	<1	<1.	<1	<1
trans-1,2-Dichloroethene	10	<1	<0.5	<1	<1	<0.5	- < 1.6	< 1,5	1.	<1	<15	<0.5	<1	<0.5	<1	< 1.00	5 4 < 1 000	s<1
Methylene Chloride	5	i. a:<1	44.<1.4	<1	<1	-12- <1	666. <1 586	44 < 1 .84	રેહો≮1 હો	<1	5:51. <1 1.79	<1	- <1	<1	- 144	<1	<1	1 <1
Tetrachloroethene	5	0.63 <1 986€	<0.5	:::::: :::::::::::::::::::::::::::::::	485 < 1 856	<0.5	**************************************	1 × 1 1	## < 1##	54 < 1	<1	<0.5	<100	<0.5	.de. <1	<1	%°<1%′	<1
1,1,1-Trichloroethane	200	<1	<0.5	## * 1 ##	THE C 1300	<0.5	150 C 1 100	三三(1)		**************************************	8884188	<0.5	~ < 1."	<0.5	<1	<1	~1 ·	<1
1,1,2-Trichloroethane	5		<0.5		# < 1 m	<0.5				4. 4 . 1. 5.	<1	<0.5	<1:	<0.5	<1	<1:	Mi < 1 %	## <1 -
Trichloroethene	5	~1	<0.5	<1	-1 <1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	<0.5		- K	144	74 ~1		<0.5	\$ < 1200	< 0.5	<1	<1	<1	<1
Freon-113	1200		<0.5		112	<0.5		<1				₹0.5	## * 1 5	<0.5	05 21 0 0			<1
Vinyl Chloride	0,5		<0.5	114	<1	<0.5	184	<1		## 21	*1	₹0.5	F <17	<0.5	<1	<1	(<1)	\ 1
Total Halogenated Hydro	carbon	s	0.67									0.51						2.2
Total Concentration of VC	OCs		0.67									0.51						2.2

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted = Less than Quantitation Limit

(D) = Duplicate sample

^{* =} Analysis by BC Laboratories

LBNL Groundwater Monitoring Well Results

Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		31-97-17	(well is	оп аппиа	l sampling)				31-97-18	(well is c	on annual	sampling)				
Constituent	MCL	Oct-97	(D)*	Nov-97	May-98*	Aug-98	Nov-98	Feb-99	May-99	Oct-97	(D)*	Nov-97	May-98*	Aug-98	Nov-98	Jan-99	Apr-99
Aromatic and Non-Halog	enate	d Hydroca	arbons			•											
Benzene	1	V	<0.5	<1	<0.5	<1	444 TEN		364 ~1 646		<0.5	1841 Per	<0.5	31 < 1	<1	<1	<1
n-Butylbenzene			<0.5	<1	<0.5	* 1	# 2 188	153	# < 1 5	<1	<0.5	5441	<0.5	<1	<1	<1	<1
sec-Butylbenzene		11 ~ (<0.5	<1	<0.5	₹1	V	7		*** *********************************	<0.5	编字指述	<0.5	<1	<1	~1	<1
ter-Butylbenzene		<1	<0.5	<1	<0.5	<1	V	7	1 <1 1	# < 17#	<0.5	1412	<0.5	<1	<1	~1	<1
Ethylbenzene	700	5<15	<0.5	<1	<0.5	<1	1	<1	<1	150 4.1 150	<0.5	- 1	<0.5	~<1	<1	V 1	<1
Isopropylbenzene		<2	<0.5	<2	×0.5	<2	<2	<2	<2	<2 ·	<0.5	<2	<0.5	<2	<2	<2	<2
p-Isopropyltoluene		*** <1 ****	<0.5	<1	<0.5	<1	7	<1	<1	्रह्म इंदर्ग	<0.5	<1.5	<0.5	<1	<1	<1	<1
Naphthalene		<2	< 0.5	<2	.<0.5	<2	<2	<2	4 < 2 de	∂<2	<0.5	<2	<0.5	<2	<2	<2	<2
n-Propylbenzene		<1	<0.5	< 177	<0.5	1	~1		<1 ==	<1	<0.5	<1	<0.5	<1	~ 1	*	<1
Toluene	150	<1	<0.5	< 1===	<0.5	* * 1	1	V	<100	F-2159	<0.5	4	<0,5	:::' <1 :::	1 < 1	- < 1-	<1
1,2,4-Trichlorobenzene	70	~1	<0.5	255.<15-54	<0.5	** 1	₹	₹			<0.5	2 2 1 2 1 B	<0.5		<1	21 < 12	**************************************
1,2,4-Trimethylbenzene		*** <1	<0.5		<0.5	1 1	√		**************************************		<0.5	ं<1 ○	<0.5	99819	<1/	* *1	<1
1,3,5-Trimethylbenzene		~ ~ T	<0.5	**** ********************************	< 0.5	**************************************	188		## **1		<0.5	#F <1 5%	<0.5	<100	<10	<1	<1
Xylenes, total	1750	v 2	<1	<2		<2	<2	1 1<2	<2	<2	第3相關	<2	^{क्रम} <1944	<2	<2	<2	<2
Total Aromatic Hydrocarb	ons										···						
Halogenated Non-Aroma	tic Hy	drocarboi	ns														·
Carbon Tetrachloride	0.5	#2 < d###	<0.5	7 ~ 1 6 6 6	<0.5	<1	1 100		<1	<1	<0.5	<1	<0.5	## *<1 ###	10 <1 00	<1 :	<1
Chloroform	100	10210	<0,5	<100	<0.5	90121954	~1			%<1	<0.5	94215	<0.5	744 21 658	~ <1	<1	<1
1,1-Dichloroethane	5		<0.5	<1.00	<0.5	41	Y		\$4 21	51 × 1	<0.5	2 1 × 1	<0.5	huy Palai	444	* < †	<1
1,2-Dichloroethane	0.5	<2	<0.5	<2	<0.5	<2	<2	2 2	<2	<2	<0.5	<2	<0.5	<2	<2	<2	<2
1,1-Dichloroethene	6	<1	<0.5	*	<0.5	<1:				1	<0.5	21	<0.5	<1	<1	<1	<1
cis-1,2-Dichloroethene	6	<1	<0.5	<1	<0.5	** ** ** ** ** ** ** **	7		1131	<1	<0.5		<0.5	* <1	<1	<1	<1
trans-1,2-Dichloroethene	10	<10	<0.5	<1	<0.5	<1	24 <1	1 (2)	<1		<0.5	<1	<0.5	<1	<1	<1	<1
Methylene Chloride	5	-<1	<1	<1	<1	<1		e 1	<1	<1	< 1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	5		<0.5	55/ < 1455	<0.5	2014 - 1 88 -		:::i <1 .::	<1	- <1 P	<0.5	5 < 1 × 1	<0.5	::: < 1	<1	<1	<1
1,1,1-Trichloroethane	200	4	<0.5	<1	<0.5	26. < 12. c		₹1	545<1000	41	<0.5	<122	<0.5	ं/र1ं	<1	<1	<1
1,1,2-Trichloroethane	5	## < 1 %	<0.5	<1	<0.5	::::::<1::::::	****	## # 1###	:/<	::::<1	<0.5	- < 1	<0.5	<1	- (1)	<1	<1
Trichloroethene	5	// c1/6	<0.5	<1	<0.5	v 1	## <1	## &1 ##	<1:0	400 61 404	<0.5	- <1	<0.5	<1	- 21 -	<1	<1
Freon-113	1200	~1	<0.5	*** <1	<0.5	1	41	21		<1	<0.5	ž <1	<0.5	<1	~ <1	**<1***	~ <1
Vinyl Chloride	0.5	100	<0.5	۷1	<0.5	*1	41	41	1461	- e1	<0.5	1421	<0.5	4044	14 44 46	-/*<1-**	~1.
Total Halogenated Hydrod	arbon	s															
Total Concentration of VO)Cs																

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

⁼ Less than Quantitation Limit

^{* =} Analysis by BC Laboratories

⁽D) = Duplicate sample

⁽G) = Grab sample

Table L_ J-1 (Cont'd)

LBNL Groundwater Monitoring Well Results

Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		78-97-20 (we	ell is on and	nual samplin	g)					
Constituent	MCL	Oct-97	(D)*	Dec-97	Feb-98	May-98*	Aug-98	Nov-98	Feb-99	May-99
Aromatic and Non-Haloger	nated H	lydrocarbons	ı							
Benzene	1	a de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	<0.5	<1***	*1	<0.5	<1	<1	<1	4 × 1
n-Butylbenzene		<1	<0.5	*11	<1	<0.5	21	<1.5	<1	<104
sec-Butylbenzene		<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1.5
ter-Butylbenzene			<0.5	36.<1 7.0	<1	<0.5	arte (<1	200 < 1 -0-7	::::: <1 :::::::::::::::::::::::::::::::
Ethylbenzene	700		<0.5	第 8 < 1 单		<0.5	198 41 000		ces 7 <1 9 €68	<i>ii,</i> ∞ <1
Isopropylbenzene		<2	<0.5	<2	∰	<0.5	<2	<2	<2	<2
p-Isopropyltoluene		<1	<0.5	1>0	<1	<0.5	<1	<1	<1	18 2 1 8 9
Methyl tert-Butyl Ether		<5		<5	<5		<5	<5	<5	<5
Naphthalene		<2	<0.5	<2	<2	<0.5	<2	<2	<2	<2
n-Propylbenzene			<0.5		<1	<0.5	<1	24 <1 - 1	<1	<1
Toluene	150	- Carrier	<0.5	<1	<1	<0.5	0 - 21 · · ·	<1	<1	<1
1,2,4-Trichlorobenzene	70	<1	<0,5	<1	<1	<0.5	<1	<1	<1	<1
1,2,4-Trimethylbenzene		<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1
1,3,5-Trimethylbenzene			<0.5	<1	2016 21	<0.5	<1	## <1 ####	<1.	<1
Xylenes, total	1750	<2	<1	<2	<2	<1	<2	<2	<2	<2
Total Aromatic Hydrocarbo	กร									
Halogenated Non-Aromatic	c Hydro	ocarbons								
Carbon Tetrachloride	0.5	7<1	<0.5	a cing	21	<0.5	<1	282100	<1	1 2 < 1 ≤ 1
Chloroform	100	<1	<0.5	<1	21	<0.5	<1	F <100	<1	<1
1,1-Dichloroethane	5	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1
1,2-Dichloroethane	0.5	<2	<0.5	<2	<2	< 0.5	<2	<2	<2	<2
1,1-Dichloroethene	6	:::::<1::::::::::::::::::::::::::::::	<0.5	**** <1 %	· <1	<0.5	21	F-4<1	<1:	6 <1
cis-1,2-Dichloroethene	6		<0.5	2112	<1	<0.5		asis Zri al Ca	<1	S <15
trans-1,2-Dichloroethene	10	131	<0.5	<1	1 4 2 1	<0.5	<1	300 < 100 to	<1	3 × 1 × 1
Methylene Chloride	5	<1	<1		<1	<1	<1	<1	<1	∜ (<1
Tetrachloroethene	5		<0.5	<1	<1	0.51	<1	<155	<1	<1
1,1,1-Trichloroethane	200	<1/4	0.86	98053 <1 0555	<1	0.86	(1	**************************************	<1	(<1
1,1,2-Trichloroethane	5	<1	<0.5	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	<1	< 0.5	- 1	14 15 15 15 15 15 15 15 15 15 15 15 15 15	<1	<1
Trichloroethene	5	<1	1.1	<1	<1	2.1	1.3	<1	1.9	2.6
Freon-113	1200	<1	< 0.5	<1	<1	<0.5	<1	<1	2.01<1	<1
Vinyl Chloride	0.5	<1	<0.5	<1	<1	<0.5	<1	<1	<1	<1
Total Halogenated Hydroca	rbons		1.96			3.47	1.3		1.9	2.6
Total Concentration of VOC			1.96		Γ	3.47	1.3	<u>-</u>	1.9	2.6

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

= Less than Quantitation Limit
= Compound not included in analysis

(D) = Duplicate sample

^{* =} Analysis by BC Laboratories

Table C4.3-1 (Cont'd) LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		69-97-21 (we	ll is on annu	al sampling)					
Constituent	MCL	Mar-98	Mar-98*	Jun-98	Aug-98	Nov-98	Feb-99	May-99	Feb-00
Aromatic and Non-Haloge	nated H	ydrocarbons							
Benzene	1	~1	<0.5	<1	<1	<1	<1	<1	<1
n-Butylbenzene		<1	<0.5	<1		<1	<1	<1	<1
sec-Butylbenzene		- in <1 : 45 sy	<0.5	- 1 14 - 5	<1	<1	<1	<1	<1
ter-Butylbenzene		5 6 6 1 5 5 5 5	<0.5	3-3 -3 1	- Kal	<1	<1	<1	* * * †
Ethylbenzene	700	<1	<0.5	<1	31	<1	<1	****	<1
Isopropylbenzene		<2	<0.5	<2	<2	<2	<2	<2	<2
p-Isopropyltoluene	ļ	<1	<0.5	<1	<1	in <1 - 1	<1	<1	788 <1 14
Naphthalene	Ï	<2	<0.5	**************************************	<2	<2	<2	<2	~~~~~
n-Propylbenzene		**************************************	<0.5	100000	est let 🔄 en we	11761	alada (1 55 c	<1	<1
Toluene	150	<1	<0.5	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	70	<1	<0.5		1431	a < 1	<1	<1	<1
1,2,4-Trimethylbenzene			<0.5 ∮	4 6 6 1 2 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		10000	####<1 **	<1	<1
1,3,5-Trimethylbenzene			< 0.5				115-21	218	
Xylenes, total	1750	<2	<1	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocarbo	ns								
Halogenated Non-Aromati	c Hydro	carbons	111	.,					
Carbon Tetrachloride	0.5	<1	<0.5	<1	.	1>1	<1	< 1	<1
Chloroform	100	15.0m. < 1 .000	<0.5	<1	-5 4<1	<1	5 4 1 6	** ₹1# · ·	31
1,1-Dichloroethane	5	<1	<0.5	****		************************	21	<1	<1
1,2-Dichloroethane	0.5	<2	<0.5	<2	<2	<2	i <2	<2	<2
1,1-Dichloroethene	6	<1	<0.5	7	<1	<1	<1	<1	21
cis-1,2-Dichloroethene	6	<1	<0.5	~1		<1	<1	<1	* 15
trans-1,2-Dichloroethene	10	<1	<0.5		944		§ <1	<1	~
Methylene Chloride	5	15	**************************************	1		21	4	<1	4644183
Tetrachloroethene	5	<1	<0.5	/	1 × 1	<1	<1	<1	1
1,1,1-Trichloroethane	200	<1	<0.5	<1	<1	<1	<1	- c < 1	*
1,1,2-Trichloroethane	5	<1	<0.5	1	1	20121	4 <1	<1	
Trichloroethene	5	<1	<0.5	(1)		<1	<1	<1	41 ST
Freon-113	1200	<1	<0.5	7	<1	<1	<1	<1	<1
Vinyl Chloride	0.5	<1	< 0.5	<1	<1	<1	<1	<1	- <1 - 5
Total Halogenated Hydroca	irbons								
Total Concentration of VOC								<u> </u>	
. J.C. Johnson and VOC						L			

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

^{* =} Analysis by BC Laboratories

LBNL Groundwater Monitoring Well Results

Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		75-98-14					75-98-15						
Constituent	MCL	Jul-99	(D)*	Nov-99	Feb-00	May-00	Mar-99	(D)*	Apr-99	Aug-99	Nov-99	Feb-00	May-00
Aromatic and Non-Haloge	nated H	ydrocarbons	3						,				
Вепzепе	1	johe < 1 milier	<0.5	- 4 < 1	<1	<1	# < 1 P/P	<0.5		<1	2 <1	<1	<1
n-Butylbenzene		64 F < 1 mm	<0.5	<1		<1	<1	<0.5	<1	<1	111	<1	<1
sec-Butylbenzene		<1	<0.5	<1	<1	<1		<0.5	<1	<1	<1.2	- <1 ·	<1
ter-Butylbenzene		<1	<0.5	1000 2 1 0000	<1	****		<0.5	<12	ર1	<1	第二<1 0.00	<1
Ethylbenzene	700	<1	<0.5	- 1	<1	<1	<1	<0.5	<1	<1	<1	<1	<1
Isopropylbenzene	:	<2	<0.5	<2	<2	<2	<2	<0.5	<2	<2	<2	<2	<2
p-Isopropyltoluene		<1	<0.5	11.20	<1	<1	i <1	<0.5	<1	<1	s <1	<1	<1
Naphthalene		<2	<0.5	<2	<2	<2	<21.0	<0.5	## <2	<2	64 < 2	<2	<2
n-Propylbenzene			<0.5	100 < 1 00 E	<1	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	644 <1022	<0.5	21	া বা	<1	<10	in <1
Toluene	150	<1	<0.5	1	- 1 Z 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	<1	- c1	< 0.5	Kr24-512	<1	1 21 V	1989 4/1 8838	<1
1,2,4-Trichlorobenzene	70	~1	<0.5	<1	1121	<1		<0.5		<1	<1	<1	<1
1,2,4-Trimethylbenzene		<1	<0.5	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene		<1	<0.5	<1	<1	<1	<1	<0.5	- < -	**** < 1.5 %	<1	<1	< 1
Xylenes, total	1750	<2	<u>, , , , , , , , , , , , , , , , , , , </u>	<2	<2	<2	<2		<2	<2	<2	<2	<2
Total Aromatic Hydrocarbo	ns							1					
Halogenated Non-Aromati	c Hydro	carbons											
Carbon Tetrachloride	0.5	<1	<0.5	<1	<1	<1	2	<0.5	1	<1	55 < 1 =	<1	<1
Chloroform	100	5.4	4.9	1.3	- 21 × 1	. <1	<10.	0.78		4 m < 1 m	<1	- < t	<1
1,1-Dichloroethane	5	<1	0.76	<1.	<1:	144.4	in the <15 looks	<0.5	SA CIO	fillion< 1-000		3866<1	##es <1 1
1,2-Dichloroethane	0.5	<2	<0.5	<2	<2	<2	<2	<0.5	1 <2	<2	<2	<2	<2
1,1-Dichloroethene	6	3.9	3.9	4.0	2.1	2.0		<0.5	# 21 5	145	265 ~1 1	<1	<1
cis-1,2-Dichloroethene	6	<1	<0.5	1	<1	<1		< 0.5	F <1	1 21	<1	<1	<1
trans-1,2-Dichloroethene	10		<0.5			<1		<0.5	1 2 1	<1	<1	<1	<1
Methylene Chloride	5	<1	<1		15 21	্ব ব	<1	<1	₹<1		<1	<1	<1
Tetrachloroethene	5	< 1 ,	<0.5		# < 1	्र दो	<1	<0.5	d <1	<1	<1	. √ <1	<1
1,1,1-Trichloroethane	200	<1	1.3	<1	a	.	6186	<0.5	- <1	<1.00	<1	<1	artiri <1
1,1,2-Trichloroethane	5	<1	<0.5	<1	1111	~1	1 d < 1 d d	<0.5	選 く1	<1	<1	***:<1	<1:
Trichloroethene	5	<1	<0.5	### 21 1000	<1	ব		<0.5	₩ 61	<1	7/2 <1	<1	<1
Freon-113	1200	12 21	<0.5	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	*** *********************************	<1		<0.5	- ∃ €1	11	21 25	<1	<1
Vinyl Chloride	0.5	* 1	<0.5	<1	<1	1 3	\$ 21 E1	<0.5		11	<1	<1	11 < 10 0
Total Halogenated Hydroca	arbons	9.3	10.86	5.3	2.1	2.0		0.78			<u> </u>		
Total Concentration of VO	Os	9.3	10.86	5.3	2.1	2.0		0.78					

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

^{* =} Analysis by BC Laboratories

⁽D) = Duplicate sample

LBNL Groundwater Monitoring Well Results

Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

Constituent Aromatic and Non-Halogenate	MCL.	Nov-98 (G)	1					
Aromatic and Non-Halogenate		1404-90 (Q)	Jul-99	Jul-99	(D)*	Nov-99	Feb-00	May-00
	d Hyc	frocarbons		*			,	
Benzene	1	4	<1	<1	<0.5	<1		<1000
n-Butylbenzene		<1	<1	Maria (2) (1) (1) (1)	* <0.5	(14,5 th	<1	
sec-Butylbenzene		*1	<1	* * * * * * * *	<0.5	<1	<1.	<1
ter-Butylbenzene		<1	<1	e et e	<0.5	<1	merikali dala	<1
Ethylbenzene	700	::::::::::::::::::::::::::::::::::::::	<1	in mental (1 et al. a)	<0.5	40 × 10 × 10	nicologis <1 in an is	66 (1
Isopropylbenzene		<2	<2		<0.5	<2	<2	<2
p-Isopropyltoluene		*** *********************************		1442164	<0.5	<1	<1	**************************************
Naphthalene		<2	<2	<2	<0.5	<2	<2	<2
n-Propylbenzene		<1	<1	<1	<0.5	<1	<1	
Toluene	150	<1	<1	<1	< 0.5	<1	<1	18000 A 61 180 Hz
1,2,4-Trichlorobenzene	70	<1	<1	<1	< 0.5	<1		/ <1
1,2,4-Trimethylbenzene		s = <1 i.i.			<0.5	4.00 <1	7.44.4 4.1	2 2 6 8 < 1 2 2 4 6 6
1,3,5-Trimethylbenzene		(1) the c<1 (1) the co	<1	******	<0.5	2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	- <1	2004 <1 007
Xylenes, total 1	1750	**** <2	<2	<2	∛	<2	<2	<2
Total Aromatic Hydrocarbons								
Halogenated Non-Aromatic Hy	/droca	arbons						
Carbon Tetrachloride	0.5		<1	7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	<0.5	<1	201.00 <1 0.568	
Chloroform	100	41	<1		< 0.5	D20114 - 12 0 0 0 0	0400 ~ 1 04000	1.000 ~ < 1 .000 .
1,1-Dichloroethane	5	<1	- 11	3434 <144	<0.5		<1	######################################
1,2-Dichloroethane	0.5	<2	<2	22 × 2	<0.5	<2	<2	22 22
1,1-Dichloroethene	6	<1	<1	<1	<0.5	<1	<1	**************************************
cis-1,2-Dichloroethene	6	<1	<1	<1	< 0.5	<1		1 × 1 × 1
trans-1,2-Dichloroethene	10	<1	<1	<1	<0.5	<1	<1	44 1 4 1 4 0 10
Methylene Chloride	5	<1.5 <1 .5 €	<1	5 1 × 1	<1	<1	<1	<1
Tetrachloroethene	5	<1.55	<1	- 55 <1	<0.5	<1	<1	&**** *1 0*****
1,1,1-Trichloroethane	200		<1	<1	<0.5	!<1	EB 145.0(人) (13.11年度)	1
1,1,2-Trichloroethane	5	*******	21 × 10 × 10		< 0.5	~1	315607 < 1 6 3 4 4	- 11 (21)
Trichloroethene	5	// <1	- 1	1	< 0.5	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1444 C	<1
Freon-113	1200		<1		< 0.5	<1	<1	21
Vinyl Chloride	0.5	<1	≤1	7 <1	<0.5		<1	*15 F
Total Halogenated Hydrocarbor	ns							
Total Concentration of VOCs		l						

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted * = Analysis by BC Laboratories = Less than Quantitation Limit

(D) = Duplicate sample

(G) = Grab sample

LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		76-98-21						76-98-22						
Constituent	MCL	Jul-99	(D)*	Sep-99	Nov-99	Mar-00	May-00	Jan-99	(D)*	May-99#	Sep-99	Nov-99	Feb-00	May-00
Aromatic and Non-Haloge	nated	Hydrocarbo	ns											
Benzene	1	<1	<0.5	<1	<1	<1		7784	<0.5	<1.	<1	<1	<1	<1
n-Butylbenzene		<1	<0.5	<1	<1	<1	<1	<1	<0.5	<1	<1	<1	<1	<1
sec-Butylbenzene		<1	<0.5	<1	<1	<1	1	Fig. <1 25 ft	<0.5	<1	<1	<1	5-11 < 1	<1
ter-Butylbenzene		r::/<1	<0.5	- 1 m	<1	<1	- 10 < 1	Sexa<1-6	<0.5	440 <1 000	****	<1	1945 <1 979	<1
Ethylbenzene	700	<1	<0.5	<1	<1	<1	<1		<0.5	11/4	- c1	<1	1 21	○ <1 ·
Isopropylbenzene		<2	<0.5	<2	<2	<2	<2	<2	<0.5	<2	<2	<2	<2	<2
p-Isopropyltoluene		<1	<0.5	<1	<1	<1	<1	<1	<0.5	22<1	<1	≨	<1	<1
Methyl tert-Butyl Ether		<5	<0.5	<5	<5	<5	< 5	<5	<0.5	<5	<5	<5	<5	<5
Naphthalene		<2	<0.5	<2	<2	<2	<2	<2	<0.5	<2	<2	<2	<2	<2
n-Propylbenzene		<1	<0.5	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	41	<1	<1	350 < 1000	<0.5	<1	## <1 6%	4174100	79-12-1-2-4	<1
Toluene	150	<1	<0.5	<1	<1	<1	1 21	476111	<0.5	- 1		<1	70 < 1 50	<1
1,2,4-Trichlorobenzene	70	7 % - E 40 % - S	<0.5	<1	<1	<1	<1	### *	<0.5	4 181	<1	<1	<1	<1
1,2,4-Trimethylbenzene		<1	<0.5	<1	<1	<1	<1	11/21/15	<0.5	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene		<1	< 0.5	<1	<1	<1	<1	97 es <1 € (1	<0.5	<1	<1	<1.5	- 21 ·	<1
Xylenes, total	1750	<2	<1	<2	<2	<2	<2	<2	% 4 <1 =	<2	<2	<2	<2	<2
Total Aromatic Hydrocarbo	ons					:								
Halogenated Non-Aromat	ic Hydi	ocarbons												
Carbon Tetrachloride	0.5	**	< 0.5	<1	<1	<1	<1	<1.	<0.5	## <1 9#	美女子	granik a j e sese	5 a 6/ < 1 % a 6	<1
Chloroform	100	<1	<0.5	1.4	<1	<1 9	## #	## <1 = 1	<0.5	14421		41000	545 <1 030	FF < 1
1,1-Dichloroethane	5	<1	<0.5	<1	<1	V 1	*******		<0.5	<1	排版<1 990	(1)	3-20- 41 0-5-5	<1
1,2-Dichloroethane	0.5	<2	<0.5	<2	<2	<2	<2	<2	<0.5	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	<1	<0.5	<1	<1		<1	<1	<0.5	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	6		1.2	<1	1.2	<1	2.9	1000	0.83	12,65<1,6,75	<1	<1	1.9	1.7
trans-1,2-Dichloroethene	10	<1	<0.5	<1	<1	** <1* **	416 × 166	307<100	<0.5	## ***	756 < 1 000	ा देव ः	<1	<1
Methylene Chloride	5	<1	<1	1	1 2 2	<1	~1	<1	<1	21°00	100 21 065	~ 15	<1	<1"
Tetrachloroethene	5	<1	<0.5	1	1 1 1	<1	<1	<1	<0.5	<1	2015 < 1 0 40	41	9 <1 ×	<1
1,1,1-Trichloroethane	200	<1	<0.5	<1	<1	***	<1	<1	<0.5	<1		્રના 🗼	1 21 1 2	<1
1,1,2-Trichloroethane	5	<1	<0.5	<1	<1	<1	<1	ja 6<10 4	<0.5	<1	<1	~ (1)	E-15-0	# < 1
Trichloroethene	5	12.5	11.0	15.0	13.8	11.4	21.5	# <1 0 M	<0.5	300 <1 30		21	%165	<1
Freon-113	1200	<1	<0.5	- 1	<1	<1	## *1	## *	<0.5	19 Set 4 19	% ~ 1		1212	
Vinyl Chloride	0.5	358 21 503	<0.5	1414	<1	<1	**************************************	7978 < 128.00	<0.5	F (41)	<1	1 21 2	<1	14.64 <1 00
Total Halogenated Hydroc	arbons	12.5	12,2	16.4	15.0	11.4	24.4		0.83				1.9	1.7
Total Concentration of VO	Cs	12.5	12,2	16.4	15.0	11.4	24,4		0.83				1.9	1.7

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

⁼ Less than Quantitation Limit # = Sample was analyzed after holding time expired

⁽D) = Duplicate sample

^{* =} Analysis by BC Laboratories

LBNL Groundwater Monitoring Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		75-99-4					75-99-6		
Constituent	MCL	Oct-99	(D)*	Nov-99	Feb-00	May-00	Feb-00	(D)*	May-00
Aromatic and Non-Halogen	ated Hy	drocarbons							
Benzene	1		<0.5	<1	s < 1	<1	<1	<0.5	<1
n-Butylbenzene		alardi < l argani	<0.5		1 < 1	40:50 <1 20:535	p. 1441	<0.5	<1
sec-Butylbenzene		~ 1000	<0.5	<1	21	<1	<1	<0.5	Teles < 1 1
ter-Butylbenzene		<1	<0.5	<1	<1	75 9/ 2 10 67	<1	< 0.5	<1
Ethylbenzene	700	<1	<0.5	<1	41	<1	<1	<0.5	<1
Isopropylbenzene		<2	<0.5	<2	<2	<2	<2	<0.5	<2
p-lsopropyltoluene		// //	<0.5	<1	12 41	<1	<1	<0.5	**************************************
Naphthalene		<2	<0.5	<2	<2	<2	<2	<0.5	<2
n-Propylbenzene		21	<0.5	<1	<1	<1	<1	<0.5	21
Toluene	150	<1:	<0.5	<1		61 61	(1 <1 = 1	<0.5	<1
1,2,4-Trichlorobenzene	70	· 2 < 1	<0.5	41 41	1 21 6	<1	<1	< 0.5	<1
1,2,4-Trimethylbenzene		<1	<0.5	<1	21	<1	<1	<0.5	<1
1,3,5-Trimethylbenzene		<1	<0.5	<1	<1	<1	21	<0.5	24° < 1 °
Xylenes, total	1750	<2	< 1	<2	<2	<2	<2	<1	<2
Total Aromatic Hydrocarbor	าร						:		
Halogenated Non-Aromatic	Hydroc	arbons							
Carbon Tetrachloride	0.5	<1	<0.5	<1.5	41	<1	<1	<0.5	1644180
Chloroform	100	# 0 < 1 0 0	< 0.5	<1	# 21 P	<1	<1	<0.5	77 <1 0
1,1-Dichloroethane	5	<1	<0.5	<1	1 1	<1	<1	<0.5	<1
1,2-Dichloroethane	0.5	<2	<0.5	<2	<2	<2	<2	< 0.5	<2
1,1-Dichloroethene	6	394 Eft < 1:0,552 Si	<0.5	1.2	<1	: 1345 < 1 346 :	*** <1	< 0.5	<150
cis-1,2-Dichloroethene	6	21	<0.5	1000 2111		1 2 1 1	<1	< 0.5	
trans-1,2-Dichloroethene	10	115	<0.5	21	<1	<1	**************************************	< 0.5	部第 个 種語
Methylene Chloride	- 5	<1	<1	<1	¥ <1	<1	*<1	<1	<1
Tetrachloroethene	5		<0.5	<1	#	<1	<1	<0.5	<1
1,1,1-Trichloroethane	200	<1	<0.5	41 < 1 1 1 1 1 1 1	i <1	<1	<1	<0.5	~1 1
1,1,2-Trichloroethane	5		<0.5	*****	1 <1	<1		<0.5	<1
Trichloroethene	5	<1	<0.5	<1	1 <1	<1		<0.5	<1
Freon-113	1200	<1	<0.5	<1	<1	<1		<0.5	- 1 × 1
Vinyl Chloride	0.5	<1	<0.5	<1	<1	<15	<1	<0.5	<1
Total Halogenated Hydrocar	rbons			1.2					
Total Concentration of VOC	S			1.2					

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

= Less than Quantitation Limit

(D) = Duplicate sample

Table C4.3-2 LBNL Temporary Groundwater Sampling Points Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		SB69A-99-1		SB76-97-2	W76-97-3					
Constituent	MCL	Oct-99	Nov-99	Oct-97	Feb-97	Mar-98	Aug-98	Mar-99	Oct-99	Mar-00
Aromatic and Non-Halogenate	ed Hydr	ocarbons								
Benzene	1				**** ** ** ** ** ** ** *	1500	<1	<1		1 × 1 × 1
n-Butylbenzene		The state of the s	<1	<1			<1	<1	<165	<1.
sec-Butylbenzene		(1)	451 21 1525	<1	<1	<1	<1	<1	/ . < !	444. <1 -1
ter-Butylbenzene		<1		<1	400,00 <1 0.000	15.00	- < 1 - 5	<1	<14	450 < 1 740
Chlorobenzene		<1	1.48.4 <1 .60.54	<1	部建设 (1)基础	 	2554<1555	2-6-72 < 1 90 m/s	14.41 <]14.14	6 4 1 6 6 6
Ethylbenzene	700	<1		15 (4 (-1 1 mm))		\$ 14 K-12 12	452 <12 55	<1	10 4 2 1 5 Y	(4) (4) (4) (4) (4) (4) (4) (4)
Isopropylbenzene		1100 < 2 00 d	- 2 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	<2	<2	<2	<2	<2	<2	<2
p-Isopropyltoluene		<1			*****	<1	WII < 1	88821080	<1	<1
Methyl tert-Butyl Ether		<5	10 125 11	<5		<5	<5	<5	<5	<5
Naphthalene		<2	<2	<2	<2	<2	<2	<2	<2	<2
n-Propylbenzene		<1	d	<1	<1	15	<1.		<1	<1
Toluene	150	<1	<1	<1		400-61 < 1 (4)	raic <1	kázna < 1 a jejm	<1:	
1,2,4-Trimethylbenzene		<1	. 24 W. 1 W.	19.55 < 1		4 4 mi < 1 miles	4 1 < 1 6 S	65/61 <1 50	/4 <1 ·	<1
1,3,5-Trimethylbenzene			:-::::::::::::::::::::::::::::::::::::	<1	<1		(1)	<1	<1	11.1. <1
Xylenes, total	1750	<2	/ / / / < 2	~2~~~	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocarbons										
Halogenated Non-Aromatic H	ydrocai	bons								•
Bromodichloromethane		<1	<u> </u>		A 4 < 120 %		5 6 K-15 6 A	<1	<10.00	
Carbon Tetrachloride	0.5	<1		<1		150	<1	<1	<12.0	100
Chloroform	100		### &1	<1 <1	<1:	Ten Comme	112 121	\$100 < 1 000	^ 3 <1 · 3	
1,1-Dichloroethane	5		1914	124721	<1	1.0	\$100 * 41 ***	21 21		<1
1,2-Dichloroethane	0.5	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	6	<1	1641	<1	<1	1.1	21	S-8-2 -1 -5-2	<1	<1
cis-1,2-Dichloroethene	6	72.0	99.3	55 - < 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	<1	3.2	1.3	2.3	<1.5	2.1
trans-1,2-Dichloroethene	10	<1-4	1.1	1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 <	<1		100 4 < 1 (200)	6 e <1	-<1- +-	<1
Methylene Chloride	5	an declerance		-6-6-<1:49 40	<1	<1	144 -		5 - 61 -	375 as <1 13 ab
1,1,1,2-Tetrachloroethane		- <2=5-	<2	<2	<2	2	₹2	<2	<2	<2
Tetrachloroethene	5				<1	<1		<1		
1,1,1-Trichloroethane	200			**************************************	**************************************	**************************************	*1	### \1 100	<1	3048 < 1 6 m 31
1,1,2-Trichloroethane	5	<1		<1.	* * <1		<1	<1	<1	<1
Trichloroethene	5	<1	<1	<1	14.9	34.9	17.6	26.1	14.9	14.9
Freon-113	1200	<1	ا ک	<1		<1	6 4 1 5 5	<1	<1	<1
Vinyl Chloride	0.5	<1	1.6	×1.	<1	<1/		<1	<1	<1
Total Halogenated Hydrocarbo	ns	72.0	102.0	marking to the	14.9	40.2	18.9	28.4	14.9	17.0
Total Concentration of VOCs		72.0	102.0		14.9	40.2	18.9	28.4	14.9	17.0

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

= Less than Quantitation Limit = Compound not included in analysis

LBNL Temporary Groundwater Sampling Points Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		W76-97-4						W76-97-5					
Constituent	MCL	Feb-97	Mar-98	Aug-98	Mar-99	Oct-99	Mar-00	Feb-97	Mar-98	Aug-98	Mar-99	Oct-99	Mar-00
Aromatic and Non-Halogena	ated Hyd	drocarbons									11-1-1		
Benzene	1	00 45 <1 000	<1	:/ar <1/	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	<1	<1	1000-2100-2	## (1 1)	<1	<1		<1
n-Butylbenzene		1946	### <1 ###	1400 < 1 000 (110	112 21	<1	7000<1000	1000 / -1000	1 (1) (1) (1) (1) (1) (1) (1) (1	11.6	<1	<1
sec-Butylbenzene		*******	1 × 1	21	- 12 m	1112	2127	45561	<1	∴ <11 or	<1	<1	<1
ter-Butylbenzene		****	<1		<1	<1	<1	250 < 1 250	<1	61 × <10 - 6	<1	₹ 1	<1
Chlorobenzene			*** *********************************		<1	<1	<1	<1	<1-	<1	<1	<1	<1
Ethylbenzene	700	<1	<1	<1			<1		<1	<1	<1	<1	<1
Isopropylbenzene		<2	<2	<2	<2	<2	<2	<2		<2	<2	<2	<2
p-Isopropyitoluene			~ 4.41	1 400	300/41 <1 100	k & <1 5.40	<1	EMPZ1MET	254 <1 594	1.03e2 < 15 1000		<1	<1
Methyl tert-Butyl Ether			450 < 50 th	<5	神神(5月)	<5	<5		<5	<5	<5	<5	< 5
Naphthalene		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
n-Propylbenzene			<1	7	्राष्ट्र ा	SAMUEL SAMUEL	<1	<1	34 35 41 3 B	<1.	<1	<1	<1
Toluene	150	1	- 19 21	*	বিং	*1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene		<1	<1	<1	<1	<1	<1	<1	<1	~<1	<1	<1	<1.
1,3,5-Trimethylbenzene		2121	<1	<	<1/	<[<1	<15.2	<1	<1	<1	- <1 ·	<1
Xylenes, total	1750	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocarbons	S												
Halogenated Non-Aromatic	Hydroca	arbons								***************************************			
Bromodichloromethane			<1	Z	<1	<1	<1	<1	<1	4. <1	S <1	<1	<1
Carbon Tetrachloride	0.5		<1		/a ≥ <1 =	<1	<1	<1	(1)	<1	-1.41	<1	<1
Chloroform	100		<1	<1	~1	A CTANE	2.02.0 < 1 65.2	1/4/ <1 /4/4	E <1	<1.	9 4 Fe1 9 9	<1	<1
1,1-Dichloroethane	5	200 s 1 0 0	\$0 - < 1 \$2\$	<1	415	<1	<1	<1.	300多名1 。194	<1	<1	41 - 41 - 14	<1
1,2-Dichloroethane	0.5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	-6		<1	717	- 21	15 21	<1	<1	# <1 ·	<1 × × × 1	- - <1	<1	<1
cis-1,2-Dichloroethene	6		<1	7	in an	15	<1.5	<1	# 0<1	<10	<1	<1	<1
trans-1,2-Dichloroethene	10		<1	<	<1	<1	<t 1<="" <="" t="" td=""><td><1</td><td>3. <1.</td><td><1</td><td><1</td><td><1</td><td><1</td></t>	<1	3. <1.	<1	<1	<1	<1
Methylene Chloride	5	報算者1開題	<1	<1	2 < 1 £ 1	a et	<1		ú <1		-44 <1 460	<1	<1
1,1,1,2-Tetrachloroethane		<2	<2	<2	<2i	<2	<2	<2	<2	<2	<2	#### <2 - ••	<2
Tetrachloroethene	5	<1	6.8	<1	4 < 1	:::: <1::::::::::::::::::::::::::::::::	2.0	15 to 15 to 15 to 15 to 15 to 15 to 15 to 15 to 15 to 15 to 15 to 15 to 15 to 15 to 15 to 15 to 15 to 15 to 15	1.5	3.7	1.8	1.6	3.1
1,1,1-Trichloroethane	200	5.6 <1	<1	41		0.415	<1	<1	∮ <1	<1		<1	<1
1,1,2-Trichloroethane	5		<1			21	~ ~1 ~ .	<1	事。<1 = 1	/	<1	<1	<1
Trichloroethene	5	14.9	4.0	*	4	<1	7 - 2 1	*****	*** <1	1.2	<1	<1	5.7
Freon-113	1200	<1.5	<1	<1	(1)	<1	<1	<1	1>	ॉंं <1 : ाः	€ <1 ∰ £	<1	<1
Vinyl Chloride	0.5	4	<1	<1	<1	<1	<1	<1	1 <1	<1	<1	<1	<1
Total Halogenated Hydrocarb	ons	14.9	10.8				2.0		1.5	4.9	1.8	1.6	8.8
Total Concentration of VOCs		14.9	10.8				2.0		1.5	4.9	1.8	1.6	8.8

MCL = Maximum contaminant level for drinking water
All analyses by LBNL EML unless otherwise noted

= Less than Quantitation Limit
 = Compound not included in analysis

Table C4.3-3 LBNL Hydrauger Sampling

Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		77-01-01	77-01-02		77-02-05					77-02-06		
Constituent	MCL	Aug-98	Jan-93	Mar-93	Jan-93	Mar-94	Aug-98	Jan-00	Feb-00	Jan-93	Mar-94	Apr-94
Aromatic and Non-Halogena	ted Hydr	ocarbons										
Benzene	1		2012	4	1 × 1	1 2 2 1 2 2	34.41	<1	**************************************	<1	1	<1
n-Butylbenzene		/ * * * * * * * * * *	21 -000	**************************************	50021000	21.00	<1	<1	<1	**************************************		40 Miles
sec-Butylbenzene		<1	1-1-21	<1	<1	<1	<1	<1	<1	<1	<1.	<1
ter-Butylbenzene		<1		<1 * * * * * * * * * * * * * * * * * * *	<1	****	<1	<1	<1.00	284, <1 883	<1	<1
Chlorobenzene		<1	<1	<1	<1	<1	<1	<1	:å	<1	distriction of	%-i <1
Ethylbenzene	700		21		<1	3 4 K	<1	<1	<1	येक रा जिल	1 / (.557 < 1
Isopropylbenzene		<2	<1	<1	80 <185		<2	<2	<2	<1.5	<1	<1
p-Isopropyltoluene		24 21 CCC	1346	<1	<1	4.0% <1 # 5	4154 < 1 55	64 <1	<1	**************************************	1944 < 1 944 +	<1
Naphthalene		<2	227721	## *1	<1	************	2 < 2	<2	<2	**************************************	(- 1 − 1 − 1
n-Propylbenzene			₹1		<1		15 ST 15 TO	<1	12 C1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	<1	805 < 1 850	**
Toluene	150	<1:	<1		<1	1000		िर्देश	<1:00	<1	<1	<1
1,2,4-Trimethylbenzene		ा व	<1	<1	<1	<1	<1	<1	**** <1********************************	<1	<160	<i>/</i> 1 <1
1,3,5-Trimethylbenzene		<1	21 <1	~1 ~ 1	<1	<1	<1	<1	<1	# 50 <1 .7 %	<1	<1.
Xylenes, total	1750	<2	<1		 	<1	<2	<2	<2	<1	<1	<1
Total Aromatic Hydrocarbons												
Halogenated Non-Aromatic I	Hydrocai				1					1		
Bromodichloromethane			<f< td=""><td><1</td><td><1</td><td><1</td><td><10</td><td><1</td><td><1</td><td><1</td><td><1</td><td><1</td></f<>	<1	<1	<1	<10	<1	<1	<1	<1	<1
Carbon Tetrachloride	0.5	<1	<1	<1	<1	~1	21	<1	£35, <15 sa -	<1	<1	<1
Chioroform	100	<1	<16	<1	<1		<16.76	<1	<1	See < 1 / Se	<1	35.5 C<1
1,1-Dichloroethane	5	<1	9.3	1.5	4 1 4 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n e <1	French Charles	<1	<1	<1	<1	7 set <1
1,2-Dichloroethane	0.5	<2	100 ~1 00 m	100 < 1 00	21 C 34	<1	<2	<2	○ · · <2	<u> </u>	<1	<1
1,1-Dichloroethene	6	<1	19.0	3.4		- 1<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	6		<1			<1	5,5	11.0	6.8	<1	11.8	<1
trans-1,2-Dichloroethene	10	<1	<1		<1	<1		- d	<1	<1	<1	<1
Methylene Chloride	5	<17		<1	<1	<1	(- ব	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane		<2	<1.	(1 × 1 × 1 × 1 × 1 × 1 × 1	1 < 1	<1	<2	<2	<2	<1	<1	i≰⇔4 <1
Tetrachloroethene	5	<1	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		<1	44 < 1 %	<1/	ं त	同一《1 6》	<1	<1	<1
1,1,1-Trichloroethane	200	<14	<1.5	600 < 136 all		<1			<1	<1 <1 < €	<1	<1
1,1,2-Trichloroethane	5		- <1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<1	<1	ं स्वा	里 《1》	<1	**************************************	/* <1 ·
Trichloroethene	5	<1	#### **	<1		- 15 × 1			<1	<1	<1	<1
Freon-113	1200	44.44.41 (1.44.41)	<1	1 < 1 × 4	4664164		21 × 6 × 6		5 < 1 =#4	1 41	<1	<1
Vinyl Chloride	0.5		<1	<1	21	<1	1.500 < 1.000			<1	<1	<1
Total Halogenated Hydrocarb	ons		28.3	4.9	J		5.5	11.0	6.8		11.8	
Total Concentration of VOCs			28.3	4.9	glader er yezhoù and	a promote the highligh	5.5	11.0	6.8		11.8	

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

LBNL Hydrauger Sampling

Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		77-02-11			77-02-12	77-03-1				77-03-03	
Detected Compounds	MCL	Jan-93	Mar-94	Aug-98	Aug-98	Jan-93	Mar-94	Aug-98	Jan-00	Jan-93	Aug-98
Aromatic and Non-Halogenat	ed Hydi	rocarbons									
Benzene	1	<1	<1	<1	<1		<1	# <1 °	<1	F-65 < 1 5 (65)	<1
n-Butylbenzene		<1	<1	a eµe <1 as a	< 1	<1	- <1 -	<1	9 Park (1 apres)	<1	<1
sec-Butylbenzene		<12				<1	2 1	985 (F < 1) (AC)	4405 <1 8000	- c1	<1
ter-Butylbenzene		t # 1 < 1 = 1 = 1		6 0 2 2 1 2 3 3	<1	: ************************************	2 <1 = 2	<1	/3 d <1 cm	<1	41
Chlorobenzene		100000		41	- The Call 1991	14 E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<1	<1		1000	
Ethylbenzene	700			21	(1)	15.00	<1	<1	21	<1	<10
Isopropylbenzene			<1	<2	<2	15	177	<2	<2	**************************************	<2
p-Isopropyltoluene			<1	<1	6 1	<1	<1	<1	<1	a <1000	(1848)
Naphthalene		* 1		<2	<2	1.0	<1	<2	<2	₹1	<2
n-Propylbenzene		~1	<1	<1	<1	884- <1 888	<1	<1	Popular «1 glumus	<1	<1
Toluene	150		huis (*<1	<1	5 TO 14 TO 18	- :: <1 :: : : : : : : : : : : : : : : :	<1	<1	#### ****	Alteret d'est pour)
1,2,4-Trimethylbenzene		## <1 *##			ं रा	<1	<1	<1	1500<150	15 4 4 1 1 mm	<1
1,3,5-Trimethylbenzene		<144	1 <1	21	<1	<1	<1	<1	<1	<1	*****
Xylenes, total	1750	<1	4	<2	<2	1000	<1	<2	<2	<1	<2
Total Aromatic Hydrocarbons			-								
Halogenated Non-Aromatic F	lydrocar	rbons									
Bromodichloromethane	<u> </u>	### **	<1	<1		<1	4 <1 5	<1	<10.0	<1	원원조 (1 년 / 연
Carbon Tetrachloride	0.5	<1	-1	1 1	* (***********************************	1000	<1	~ <1 -	2014 < 1	<100	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Chloroform	100			<1		<1	<1	100 (210)	<1	<14	a 3.3 < 16.64
1,1-Dichloroethane	5		<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	0.5	<1	<1	<2	<2	<1	<1	<2	<2	<1	<2
1,1-Dichloroethene	6	<1	<1	<1		1.000 <1.000	<1	<1	<1	<1	<1000
cis-1,2-Dichloroethene	6	-24 7<1 0 -	1.00.41.00.00	<1		// <1 € %	<1	<1	<1	(< 1 /	<1
trans-1,2-Dichloroethene	10	## ** <1####	2 W <1 000	∮ # < 1		<10.00	- ' <1- I	<1	5 6 < 1 6 6	775 <10 F	9-6-41
Methylene Chloride	5	<1	<1 1	<1	<1	12741	<1	\$15 61 5 46	\$41.87 <1 9.8787	<1	#25 **<1 ****
1,1,1,2-Tetrachloroethane		<1	<1	<2	<2		<1	<2	2 2	<1	<2
Tetrachloroethene	5	त	111111111111111111111111111111111111111	<1	<1		<1	<1	0.65 <1 (1.65)	<1	<1.00
1,1,1-Trichloroethane	200		<1	<1	<1	<1	<1	<1	414	<1	<1/
1,1,2-Trichloroethane	5	á (1 7	دا د	<1	<1	<1.	<1	<1	<1	- 6 - < 1 - 5 - 5	<1
Trichloroethene	5	25 <1	<1	<1	<1	<1	<1	<10.00	<1::	<1	100 4 1000
Freon-113	1200	46667 <1 67668		. 6 <1 . 3 5	40 Fare - < 1 (64 00 50 00	(0.000 e <1 miles	<1	<1	110.<10°		21
Vinyl Chloride	0.5		20061300	### *1	241		<1	## <1 (34)	55 41 <1 7544	<1	BOOK TO KENEDO
Total Halogenated Hydrocarbo	ons										
Total Concentration of VOCs											
	•						h	·		L	

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

LBNL Hydrauger Sampling

Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		77-04-03		77-04-04				77-04-06			77-04-07			
Constituent	MCL	Jan-93	Aug-98	Jan-93	Mar-94	Aug-98	Jan-00	Jan-93	Aug-98	Jan-00	Jan-93	Mar-94	Aug-98	Jan-00
Aromatic and Non-Haloger	nated H	vdrocarbons												
Benzene	1	B 70 < 15 77	21 5	366 <1	<1	<1	55 61 55	维学 21 数多	<1	<1	<1	<1	<1	<1
n-Butylbenzene		8099 <1 909	20061000	***************************************	<1.00	<1	19641 P. C	252198	14 G < 1 4 G	<1.5	<1	<1	<1	<1
sec-Butylbenzene		<10	1 <1	<1	1772	<1	<1	3 6 2 1 7 9	<1/	<1	451	<1	<1	<1
ter-Butylbenzene		<1	<1	***	1	<1	***	<1	<1	23	% ° < 10 € 1	<1	<1	:: <1
Chlorobenzene		<1	<1	<1	1 6	1 41	<1	<1		<1	<1	<1	<1	<1
Ethylbenzene	700	<1	<1	<1	<1	<1	<1	基础 长1 000年	1.4<1.4	<1	<1	<1	<1	<1
Isopropylbenzene			<2	<1	<1	<2	<2	61,00 <1 ,48,64	<2	<2	<1	<1	<2	<2
p-Isopropyltoluene		<1	<1	<1	## * 1 ***		<1	3.0 < 15.4 5	1 <1 0	56 % < 1	<1	<1	<1	<1
Naphthalene	***	- 11 × 11 × 11 × 11 × 11 × 11 × 11 × 11	<2	1		<2	<2	300 <1300	** <2	<2	<1	<1	<2	<2
n-Propylbenzene		<1	<1	1	15	<1	2112	21	100	经营运1 多等	<1	<1	5/12/15/1	<1
Toluene	150	<1	<1	*******	1	<1	* 1	15	<1	<1	<1	** * 150	2.24	<1
1,2,4-Trimethylbenzene			anadreši paryšii Kliji sa				<1	<1	11/2	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene		*****	<1	1		 	<1	<1	## <1 5 h	<1	<1	<1	<1	<1
Xylenes, total	1750	: : <1:;	<2	<1	<1	<2	<2	<1	<2	<2	<1	. <10	<2	<2
Total Aromatic Hydrocarbo	ns													
Halogenated Non-Aromatic	Hydro	carbons												
Bromodichloromethane	<u> </u>	<1°/	<1		<1	<1	<1	<1	# * * 1	<1	<1.0	<1	<1	<1
Carbon Tetrachloride	0.5	<1	<1	1112	<1	<1	¥1 ≥ 1	<1	<1	<1	<1	<1	##* <14 G	<1
Chloroform	100	<1	<1	<1	<1	<1	1>2	<1	<14.0	<1	<1	- <1: ·	<1	:: <1
1,1-Dichloroethane	5	:::::::< <u> </u> ::::::::::::::::::::::::::::	3 5 < 1 5 5	<1	<1	<1.5	355 <1 55	1.65 < 1 5.45	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	0.5	<150g	(27 S	<1	<1	<2	<2		<2	<2	<1	<1	<2	<2
1,1-Dichloroethene	6	1	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	<1	72004<1	<1			*******	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	6	<1	tr	<1		<1	### * * * * * * * * * *		## <1##	1962 1 964	<1	- 1	<10	<1
trans-1,2-Dichloroethene	10	<1	<1	ાન			15.15	4,475	<1	1112	<1	-/ <1-/	<1	<1
Methylene Chloride	5	<1	<1	15.05		<1	11/2	<1	<1	(411-3)	<1	<1	<1	<1
1,1,1,2-Tetrachloroethane		15	<2			<2	<2	<1	<28	<2	<1		<2	<2
Tetrachloroethene	5	(< 1 ·	<1	<1	## <1 - 1	<1	4 < 1	1.0 <1 0.0	<1 2	<1	<1	<1	100 < 1 00 80	< 1
1,1,1-Trichloroethane	200	2 1 < 1 / 2	4 6 < 1 0 / 2	<1	<1		<1	<1	<1	*** <1 ***	<1	(1)	<1	<1
1,1,2-Trichloroethane	5	<1	<1	<1	<1	10041	<1	3050 < 1 646	温号を1課金	1.60 <1 6004	10 <100	2 21	<1	<1
Trichloroethene	5	7 < 1 F 5	# 21 2 19 20	**************************************		1 41	115	<1	ं दी	<1	<1	21	// <1	<1
Frean-113	1200	**************************************	<1		71/521	- E1	<1	21/2	<1	<1	<1	*** ** * * * * * * * 	<1	1884 < 1 4 Th
Vinyl Chloride	0.5	<1	<1	<1	<1	<1	<1	<1	** **********************************	<1	ভাষা ং ব	<1	€1 €1	1 21
Total Halogenated Hydroca	rbons	<u></u>												
Total Concentration of VOC	s				1,	Programme S	erin et en en en en en en en en en en en en en							

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

Table C4.3-3 (Cont'd) LBNL Hydrauger Sampling

Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

	<u> </u>	77-04-08				77-04-11	77-04-13	77-05-01	
Constituent	MCL	Jan-93	Mar-94	Aug-98	Jan-00	Jan-00	Jan-93	Jan-93	Aug-98
Aromatic and Non-Halogena	ted Hydi	rocarbons							
Benzene	1	5454 <1 5443	ं दो है।	<1	49-18- < 1 -7-45-8	<1.00	<1	<1	<1
n-Butylbenzene		72.44 <1 8899			3545 < 1 5545	5 <1 C	<1	29452 <1 6000	<1
sec-Butylbenzene		N4-77 < 1 5 7 7		2 2 1 2 2	<1	37.26	<1	7502 <1 0.00	<1
ter-Butylbenzene		<1		11111	-	<1	- Kita		<1
Chlorobenzene		17 5 < 1 5 1 5 1 5 1		<1	# 15 E 1	**** ********************************	<1	45 C < 1 6 0 7	<1
Ethylbenzene	700	<1	2122	<1	<1	75 P. C1	<1	<10	<1
Isopropylbenzene		41 2.5	<1	<2	<2	<2	<1		<2
p-Isopropyltoluene		<1	<15	<1	<1	√ <1 ·	<1	4155 C	/ <1
Naphthalene		<1	1 × 1	<2	<2	<2	4665<1	100 < 1 00 × 1	<2
n-Propylbenzene		### <1 ####	5345 < 1555	<1		<1	144 <1	<1	<1
Toluene	150		1177	<1	- <1	<1	949-21-5	21 T	14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 -
1,2,4-Trimethylbenzene		***************************************	<1	21 21 1 S	<1	<1	1.00 kg (1.00 kg)	<1	- (*1
1,3,5-Trimethylbenzene		\$*** < 1	(1 t)	<1	<1	<1	12741	<1	<1
Xylenes, total	1750	<1	<2	<2	<2	<2	<2	<2	<2
Total Aromatic Hydrocarbons									
Halogenated Non-Aromatic I	lydroca	rbons			·		L	l <u>1</u>	
Bromodichloromethane		<1		<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	0.5	<1	त	<1	<1	<1	145-22-165 E	<1	33.3 <1 -3.5
Chloroform	100	<1	in said	<1	<1	21 21	<1	<1	# <1
1,1-Dichloroethane	5	c 1		<1	// - 1	<1	<1	24 21	
1,2-Dichloroethane	0.5	<1		<2	<2	<2	\$100.7 <1 0.4	a.c. ≤ <1 a.c.	<2
1,1-Dichloroethene	6	// cl		<1	<15	s 45 <1	1 4 < 1 0 0	200 21 (0)	<1
cis-1,2-Dichloroethene	6			<1	<1	<1	### ** 1	3d a < 1	2 2 1 1
trans-1,2-Dichloroethene	10	<1		2000 2 1980 %	< 1000	<1	# 75 < 1 (5)	20002120	i se e i se a
Methylene Chloride	5	<1		<1	<1	<1	<1	75-2- 31	<1
1,1,1,2-Tetrachloroethane		<1	21/21/21	<2	<2	<2	<1	<1	<2
Tetrachloroethene	5	<1	174100	<1	21027	<1.5	<1	š -<1	5 %<1 / S
1,1,1-Trichloroethane	200	<1	<1	<1	<12.0	- E	<1	<1	<1
1,1,2-Trichloroethane	5	<1		<1.6	200 < 1 0 mm	<1			
Trichloroethene	. 5	<1		<1	<1	<1	- <1	9979 <1 090	2018-1
Freon-113	1200		7/46-2 /21	at rest < 1 % or	<1	9 1 61 9 9	***********		2012
Vinyl Chloride	0.5	<1		<1	<1	1 de 1 et 1	1000	in the second	/****<1
Total Halogenated Hydrocarbo	ons								e e eg * tepp ::
Total Concentration of VOCs		1							
	******	·		•			L	l ————————————————————————————————————	

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted

Table C4.3-4 LBNL Slope Stability Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		SSW1-130 ^a			SSW3-130 ^a	SSW4-130 ^a	SSW5-130 ^a	SSW9-130°		
Constituent	MCL	Jan-93	Sep-94	May-97	May-97	May-97	May-97	Jan-93	Sep-94	May-97
Aromatic and Non-Halogenate	d Hydro	carbons						-		
Benzene	1	a a<1 a	<1	<1		<1	1 4 6 < 1	<10.0	<1.5	<1
n-Butylbenzene		<1	4 (1 disa	<1		<1	: (1)	<1	<1	<1
sec-Butylbenzene		<1	<1	<1	15 01	<1	*** *1	147 <1 47	<1	<1
ter-Butylbenzene		ા લા	1	<1	251112	21 × 12 × 12 × 12 × 12 × 12 × 12 × 12 ×	<1	5	<1	<1
Ethylbenzene	700	<1	<1	<1	<1	<1	<1	<t> 1</t>	<1	<1
Isopropylbenzene		<1	<1	<2		<2	<2	<1	6 <1 G	<2
p-Isopropyltoluene		::::::<1	<1	3 <1 30 4	2.5	2014	15.8	5557 ~1 755	<1	<1
Naphthalene		- C<1	<1	<2	<2	<2	<2	<1	0 - <1 h	<2
n-Propylbenzene		15<1	<1	<1	None LT	41	<1	<1	<1	<1
Toluene	150	1	***	<1	15	<1	7 - 31 - 1	<1	<1	<1
1,2,4-Trichlorobenzene	70	<1	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene		~1	<1	<1	<1	- <1	<1	<1	<1	<1
1,3,5-Trimethylbenzene		<1	<1	<1	and 2<1 mm	<1	2 - 21 , 225	<1:	<1	<1
Xylenes, total	1750	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	<1	<2	<2	<2	<2	<1	<1	<2
Total Aromatic Hydrocarbons					2.5		15.8			
Halogenated Non-Aromatic Hy	drocarb	ons							•	***
Bromodichloromethane		<1	<1	<1	<1	<1	<1	<1		<1
Carbon Tetrachloride	0.5	<1	<1	<1		<1	<1	<1	/ <1	<1
Chloroform	100	<1	<1	<1	3 (7 < 1 € 6)	<1	140000	5.75 <1 5.377	<1	<1
1,1-Dichloroethane	5		### *1	<1	### <1 ****	<1	1.3	<1	<1	<1
1,2-Dichloroethane	0.5		<1	<2	<2	<2	<2	<1	75.8X <1 5.00	<2
1,1-Dichloroethene	6	<1 ₹1 ₹1	<1	<1	13 41	<1	1.4	- (* - (* 1)	<1	<1
cis-1,2-Dichloroethene	6	<1	<1	<1	<1	11.5	11 题 《 12 》。	26.2	2.8	3.0
trans-1,2-Dichloroethene	10	<1	1	<1	<1	<1	## <1 %	- 5 - < 1 (45)	<	<175
Methylene Chloride	5	<1	<1	<1		<1	6 T	<1	<1	<1.5
Tetrachloroethene	5	Cua < 1 (4) (6)	<1	-	********	<1	(1) (1)	<1		<1
1,1,1-Trichloroethane	200	106<1	:::::(<1 -:::::	<1	41 - 1	<1	- 12	<1.70	<1	1350 <1 50 EV
1,1,2-Trichloroethane	5	<1		<1	<1	<1		<1		757<1
Trichloroethene	5	<1	दा	* 1	* ***********************************	<1	2<1	<1	<1	<1
Freon-11		<1	<1	<2	<2	<2	<2	<1	<1	<2
Freon-113	1200	<1	<1	<1	<1	<1	<13	<1	<1	<1
Vinyl Chloride	0.5	<1		<1	< 1	<1. c	* <1	<1	<1	<1
Total Halogenated Hydrocarbor	ıs					11.5	2.7	26.2	2.8	3.0
Total Concentration of VOCs				n Shant Alle his et e	2.5	11.5	18.5	26.2	2.8	3.0

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted All samples are grab samples

⁼ Less than Quantitation Limit

^{* =} Analysis by BC Laboratories

^a = Abandoned to prevent infiltration of surface water

LBNL Slope Stability Well Results

Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		SSW13-130 ^a			SSW15-130ª		SSW16-130	1		
Constituent	MCL	Jan-93	Sep-94	May-97	Јап-93	May-97	Dec-92	Sep-94	Oct-94*	May-97
Aromatic and Non-Halogenated	i Hydro	carbons								
Benzene	1	<1	経過される	制度 1985	第46 <1件会	/ / / / / / / / / / / / / / / / / / / 	<5	<1	<0.5	<1
п-Butylbenzene			1 <1	<199	<1	<1	<5	14 - 1	<0.5	-30 a. <1 0,550
sec-Butylbenzene		- <1s	1000 :<1 000	<1	#6#50 <1 9###	<1	<5	<1	< 0.5	() an <1 666
ter-Butylbenzene		<1	<100.2	<1	169-16-16-16	<1	<5	<1	<0.5	<1
Ethylbenzene	700	<1		5396 21 994	##### *	<1	<5	1 - < 1	< 0.5	<1
Isopropylbenzene		<1		<2	****	<2	<5	<1	< 0.5	<2
p-Isopropyltoluene		<1.	<1	<1	1 < 1 = 2 <	<1	<5	<1	< 0.5	<1
Naphthalene		<1	<1	<2	60.5<1.6m2	<2	<5	5/1/2/1	< 0.5	<2
n-Propylbenzene		Serie Classes	59 (5 < 1 5 5 5	160 <1 650	35% <15%	4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	<5	<1	< 0.5	<1
Toluene	150	<1	(1 × 1 × 1		<1	<1	<5	<1	<0.5	<1
1,2,4-Trichlorobenzene	70	24442	400 21 059	100 <100	<1.5	<1	<5	<1	<0.5	<1.
1,2,4-Trimethylbenzene		<1:	<1	<1	<1	<1	<5	<1	<0.5	.iij.lag <1 :50:55
1,3,5-Trimethylbenzene		<1	<1	<1	<1	<1	<5	<1	<0.5	1945 - 1 945
Xylenes, total	1750	<1	<1	<2	<1	<2	<5	2 1 < 1	<1	<2
Total Aromatic Hydrocarbons							1	,		
Halogenated Non-Aromatic Hy	drocarb	ons					J L	1		·
Bromodichloromethane		<1		<100	建设设置	<1	<5	<1	<1	<1
Carbon Tetrachloride	0.5	<12	<1	- 1	<1		<5	<1	<1	2 41
Chloroform	100	<1	<1	<1	2,2	<1	<5		<1	<1
1,1-Dichloroethane	5	<1	<1	<1	0755 <1 965	<1	<5	<1	<1	<1.0
1,2-Dichloroethane	0.5	~ ~ 15 °	4 1 K	<2	100 4 1 6 18	<2	<5	- / - < 1	/# <1°	5 × 2 ×
1.1-Dichloroethene	6				9-11-0	<1	<5	<1	<1	<1-0
cis-1,2-Dichloroethene	6	3.8	1.8	4070124333	<1	<1	<5	113.5	140.0	26.6
trans-1,2-Dichloroethene	10	<1 < 1		######################################	378841887	<1	<5	15 × < 1	1.2	<1
Methylene Chloride	5	<1	<1	<1	<1	<1	<5	<1	Mara < 10 88 8	<1
Tetrachloroethene	5			<1	<1	<1	<5	ii = <1	<1	< 1
1,1,1-Trichloroethane	200	30 to <10 cm		996-<14-9	e i	<1	<5	<1	45/11 < 1 5/40 c	
1,1,2-Trichloroethane	.5	<1	<1	940-41	W 41	<1	<5	部で <1 代数	<1	0.00<10
Trichloroethene	5	<1	<1	- 11 - 11 - 11 - 11 - 11 - 11 - 11 - 1	<1	21	4 5	<1	<1	
Freon-11		<1	<1	<2	<1	<2	<1.1	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<1	<2
Freon-113	1200	<1	<1	<1	## <1 E	<1	<0.6	<1	<1	a di v
Vinyl Chloride	0.5	<1	<1	<1 /	<1	## < 1	<5	<1	<1	<1
Total Halogenated Hydrocarbon	S	3.8	1.8		2.2			113.5	141.2	26.6
Total Concentration of VOCs		3.8	1.8		2.2			113.5	141.2	26.6

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted All samples are grab samples

⁼ Less than Quantitation Limit

^{* =} Analysis by BC Laboratories

^a = Abandoned to prevent infiltration of surface water

Table C4.3-4 (Cont'd) LBNL Slope Stability and Slope Indicator Well Results Volatile Organic Compounds - EPA Method 8260

(concentrations in µg/L)

		SSW19-130	3			SSW20-130	SSW21-130	
Constituent	MCL	Mar-94	May 94*	Sep-94	(D)	May-94*	May-94*	
Aromatic and Non-Halogena	ited Hydro	carbons						
Benzene	1		<0.5	<10.5	<10.00	<0.5	< 0.5	
n-Butylbenzene			<0.5	<1	<17.7	<0.5	/***<0.5	
sec-Butylbenzene			<0.5	<1	~1	<0.5	< 0.5	
ter-Butylbenzene			<0.5	11 21	<1	<0.5	<0.5	
Ethylbenzene	700	<t< td=""><td><0.5</td><td><1.</td><td><1</td><td>< 0.5</td><td><0.5</td></t<>	<0.5	<1.	<1	< 0.5	<0.5	
Isopropylbenzene		- - 1	<0.5	分声 <1	<1	<0.5	< 0.5	
p-Isopropyltoluene			<0.5	18, 50 <1 1.50	<1	<0.5	< 0.5	
Naphthalene			<0.5	<1	<1	<0.5	< 0.5	
n-Propylbenzene			<0.5	15 61	<1.	<0.5	<0.5	
Toluene	150		<0.5	<1		<0.5	< 0.5	
1,2,4-Trichlorobenzene	70		<0.5	<13	## <1	< 0.5	< 0.5	
1,2,4-Trimethylbenzene			<0.5	<1.	<1	<0.5	<0.5	
1,3,5-Trimethylbenzene		## / *	<0.5	15.5 A	<1	< 0.5	<0.5	
Xylenes, total	1750	1.00.00 <1 .00.03	<1.0	<1	- e <1 - 3-	<1.0	<1.0	
Total Aromatic Hydrocarbons	3							
Halogenated Non-Aromatic	Hydrocarb	ons		'		***************************************		
Bromodichloromethane		1	<0.5	<1	<1	<0.5	< 0.5	
Carbon Tetrachloride	0.5	<1	<0.5	<1	<1/	<0.5	<0.5	
Chloroform	100	56 64 (1 mm)	<0.5	<1	<1	<0,5	< 0.5	
1,1-Dichloroethane	5		< 0.5		41 C	< 0.5	<0.5	
1,2-Dichloroethane	0.5	41	<0.5	<1	<1	<0.5	<0.5	
1,1-Dichloroethene	6		<0.5	<1	Val 25 2 12 march	<0.5	<0.5	
cis-1,2-Dichloroethene	6		<0.5	<1	<1	<0.5	< 0.5	
trans-1,2-Dichloroethene	10	<1	<0.5	15.05.25 1 5.05.25	<1	< 0.5	<0.5	
Methylene Chloride	5		<0.5	<1		<0.5	<0.5	
Tetrachloroethene	5	THE STREET	<0.5	<1	<1.0	< 0.5	<0.5	
1,1,1-Trichloroethane	200		<0.5	gmany phasin	21 25/	<0.5	<0.5	
1,1,2-Trichloroethane	5		<0.5	### *<1	40-21	<0.5	< 0.5	
Trichloroethene	5	<1	<0.5	<1	<1	<0.5	<0.5	
Freon-11			<0.5	<1	<1	<0.5	<0.5	
Freon-113	1200	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	<0.5	<1	<1	< 0.5	<0.5	
Vinyl Chloride	0.5		<0.5	<1	<1.	<0.5	<0.5	
Total Halogenated Hydrocarb	ons							
Total Concentration of VOCs] ng 2 2		(48) 1 c				
Total Concentiation of VOCS	<u> </u>	<u> </u>		201 - Ac.		L		

MCL = Maximum contaminant level for drinking water All analyses by LBNL EML unless otherwise noted All samples are grab samples

⁼ Less than Quantitation Limit

^{* =} Analysis by BC Laboratories

^a = Abandoned to prevent infiltration of surface water

Table C4.4-1 Groundwater Monitoring Well Results Concentrations of Total Petroleum Hydrocarbons and Oil & Grease (Concentrations in μg/L)

RFI Unit	Aroa	Well No.	Date	Lab	TPH-Diesel	TPU Carolina	TPH-Kerosene	TPH-FI	Oil & Grease
·			Date	Lau	I FR-Diesei	TFH-Gasonne	I F II - Nei Oseile	111111	Oil & Citease
Groundwai	3	onitoring Wells	Man OC					400	
	3	MW91-4	Mar-96	BC				(Diesel)	
								(Diesei)	
			Aug-96	BC	120				
			Dec-96	BC	110				
			Jun-97	BC				490	
								(Crude/Waste Oil)	
								490 (D)	
								(Crude/Waste Oil)	
			Jun-98	BC				460	
								(Crude/Waste Oil)	
			Jun-99	BC				160	
								(Crude/Waste Oil)	
							•	98	
								(Diesel)	,
		MW91-5	Aug-97	BC				100	
		1414431-3	/ag 5/	Δ,				(Crude/Waste Oil)	
		75-92-23	Jul-96	BC				ND ND	
		75-92-23	Mar-97	BC	<50	<50		NO.	
		75-90-20	IVIAI-57	<i></i>	<50 (D)	<50 (D)			
		75-97-5	Mar-99	BC				260	
								(Crude/Waste Oil)	
		69-97-8	Jan-99	BC				350	
								(Crude/Waste Oil)	
		1						250	
		*						(Diesel)	
		75-98-15	Feb-00	ВС				ND	
SWMU 4-2	4	76-92-25	Mar-94	BC		<50		ND	
AOC 4-1,	Ì		Aug-94	BC	<200	<50			<1000
AOC 4-2			Dec-94	BC	THE OWNER OF THE OWNER.	intritivation of a contraction of the		ND 2	
700 +2			Feb-95	BC				ND	
			Nov-95	BC	<50	<50			
			Mar-96	BC	<50	<50			
			Aug-96	BC	<50 <50	<50 <50			
	ŀ		Dec-96	BC	<50	<50			
			Mar-97	CLS	enera Court	etinggitus VA decommen		<50	
			IVIAI-51	BC				ND (D)	
				L.		!		שא (פ) אר (S) און אר (פייי	
			Aug-97	BC				ND (0)	
		1	Lug-31	L.				ND (D)	
								ND (S)	
			Feb-98	BC				ND	
AOC 4-1,	4	MW76-1	Aug-92	BC	99	<50			
AOC 4-2			May-93	BC	<50	<50			

Table C4.4-1 Groundwater Monitoring Well Results Concentrations of Total Petroleum Hydrocarbons and Oil & Grease (Concentrations in μg/L)

RFI Unit	Area	Well No.	Date	Lab	TPH-Diesel	TPH-Gasoline	TPH-Kerosene	TPH-FI	Oil & Grease
AOC 4-1,	4	MW76-1	Mar-94	BC		<50		1700	
AOC 4-2								(Crude Oil)	
			Jun-94	BC	450				
			Sep-94	BC	<200	<50			
				CLS	100 (D)	<50 (D)			
			Dec-94	BC				470	
								(Diesel)	
			Mar-95	AEN				1100 (a)	
								(Diesel/Kerosene)	
								1100 (a) (D)	
								(Diesel/Kerosene)	
			Jun-95	AEN	780	<50			
				BC	650 (D)	<50 (D)			
					530	<50			
				AEN	700 (S)	<50 (S)			
			Aug-95	BC	<200	<50			
	•					<50 (D)			
			Dec-95	BC	560	. 53			
				AEN]	70 (D)			1
						70 (S)	·		
			Mar-96 BC 290 54						
						63 (S)			
			Jun-96	CLS	<50	<50			
						<50 (D)			
			Aug-96	BC	730	<50		1	
						<50 (D)			
			Dec-96	BC	510	<50			
		•			450 (S)	52 (S)			
			Mar-97	ВС	350	50			
					350 (S)	50 (S)			
			Jun-97	ВС	390	<50			
						56 (S)			
			Aug-97	BC	230	<50			
						<50 (D)	No.		
			Feb-98	BC	440	75			
			Sep-98	BC	360^	63			
			Feb-99	BC	540	160			
			Sep-99	BC	540	67			
			Feb-00	BC	480*	50*			
	4	76-93-6	Nov-95	BC				98	
								(Diesel)	
			Feb-96	BC				80	
1			1			j		(Diesel)	

Table C4.4-1 Groundwater Monitoring Well Results Concentrations of Total Petroleum Hydrocarbons and Oil & Grease (Concentrations in μg/L)

RFI Unit	Area	Well No.	Date	Lab	TPH-Diesel	TPH-Gasoline	TPH-Kerosene	TPH-FI	Oil & Grease
THITOIR		76-93-6	Jun-96	BC	11 11 Dicaci	Tr Tr Gasonine	TTTTTCTCGCTC	570	Oil & dicase
	4	70-93-0	Jun-96	ь				(Crude/Waste Oil)	:
								230 (S)	
								(Crude/Waste Oil)	
			Aug-96	BC				(Crude/Waste Oil)	
			Aug-96	ы				ND (D)	
								ND (S)	
			Dec-96	BC				120	
			Dec-30	ы				(Diesel)	
			Feb-97	BC	<50	<50		(Diesei)	
			1 60-37	ш		<50 (D)			
			May-97	BC	<50	<50			
			Windy-37	ш		<50 (D)			
			Jan-98	BC	<50	<50			
			Aug-98	BC	<50	<50			
			Feb-99	BC	<50	<50			
			Sep-99	BC	<50	<50			
			Feb-00	BC	<50	<50			
SWMU 4-3	4	76-93-7	Aug-94	BC	<200	<50	•		<1000
AOC 4-1,			Dec-94	BC				ND ND	
AOC 4-2			Mar-95	BC				ND	
			Jun-95	BC				ND	
			Aug-95	BC				ND	
				AEN	1			<50 (b) (D)	
			Dec-95	ВС	<50	<50			
			Feb-96	BC		<50			
						<50 (D)			
			Jun-96	CLS	<50 ⋅				
			Aug-96	BC	<50	<50			
						<50 (D)			
			Dec-96	BC	<200	<50			
			Mar-97	BC	<50	<50			
			Jun-97	BC	<5.0	<50			
			Aug-97	BC	<50	<50			
						<50 (S)			
			Feb-98	BC	<50 ⊨	<50			
			Aug-98	BC	190	<50			
			Jan-99	BC	<50	<50			
			Aug-99	BC	110	<50			
			Feb-00	BC	<200	<50			
AOC 5-4	5	77-94-5	Jun-94	BC	<200				
		77-94-6	Jun-94	BC	<200				

Table C4.4-1

Groundwater Monitoring Well Results Concentrations of Total Petroleum Hydrocarbons and Oil & Grease (Concentrations in µg/L)

RFI Unit	Area	Well No.	Date	Lab	TPH-Diesel	TPH-Gasoline	TPH-Kerosene	TPH-FI	Oil & Grease
	5	77-92-10	Mar-97	BC	<50				7
			Feb-98	BC	<50				1
			Feb-99	BC	<50				

Temporary	Wells	and Bo	orings
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		is and bennigs	1		1	I		
SWMU 4-3	4	SB76-95-3	Jun-95	BC		730	790 (Gasoline) 1500 (Diesel)	
	4	W76-97-3	Feb-97	BC	210	≥ 50		
			Jun-97	BC	980	<50		
		,	Mar-98	BC	390	<50		
		, i	Mar-99	BC	190	<50		
			Oct-99	BC	210	<50		
			Mar-00	BC	590	<50		
	4	W76-97-4	Feb-97	BC	460	<50		
			Jun-97	BC	340	<50		
			Mar-98	BC	390	<50		
,			Mar-99	BC	500	<50		
1			Oct-99	BC	210	<50		
	,		Mar-00	BC	740	<50		
	4	W76-97-5	Feb-97	BC	<50	<50		•
			Jun-97	BC	<50	<50		
		B.	Mar-98	BC	<50	<50		
			Mar-99	BC	<50	<50		
			Oct-99	BC	<50	<50		
			Mar-00	ВС	76	<50		

Slope	Stability	Wells
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_	Sinhe star	unity v	VEIIS					
		3	SSW19-130	May-94	BC	<50	ND:	

= =

= Not Sampled

= Constituent not detected above reporting limit

= All target analytes not detected above reporting limit

TPH-FI - TPH-Fuel Identification

- (D) = Duplicate sample
- (G) = Grab sample
- (S) = Split sample
- (a) Analysis for extractable range hydrocarbons, by American Environmental Network
- (b) Analysis for fuel scan by American Environmental Network, included Diesel, Kerosene, and Motor Oil

Analysis for TPH-FI by BC Laboratories included: Light Naptha, Aviation Fuel, Stoddard/White Spirits, Heavy Naptha/Ligroin/ Petroleum Benzin, Gasoline, JP4, JP5, JP8, Kerosene/Jet Fuel, Diesel, Crude/Waste Oil, Hydraulic/Motor Oil, and WD-40

- Temperature of samples was out of acceptable range when received by the laboratory
- ^ Equipment/Rinse Blank contained 93 μg/L diesel

Table C4.4-2 Groundwater Monitoring Well Results Semi-Volatile Organic Compounds (Concentrations in μg/L)

Area	Well No.	Lab	Date	8270
3	MW91-3	BC	Aug-94	Bis(2-ethylhexyl)phthalate = 12
	MW91-4	BC	Aug-94	Bis(2-ethylhexyl)phthalate = 42
	MW91-5	BC	Aug-94	ND
	MW91-6	BC	Aug-94	Bis(2-ethylhexyl)phthalate = 6
	69A-92-22	BC	Aug-94	Bis(2-ethylhexyl)phthalate = 55
	75-92-23	BC	Sep-94	ND
	75B-92-24	BC	Aug-94	ND
	75-96-20	BC	Mar-97	ND hrands a said and a said and a said and a said and a said and a said a said and a said a said a said a said
	70 00 20	CLS	mai o	ND (D)
4	MW76-1	BC	Sep-94	ND /
'		AEN	, OOP 0.	ND (D)
	76-92-25	BC	Aug-94	ND /
	76-93-6	BC	Aug-94	Bis(2-ethylhexyl)phthalate = 6
	76-93-7	BC	Aug-94	ND
5	MW91-1	ВС	Aug-94	Bis(2-ethylhexyl)phthalate = 4
	MW91-2	BC	Sep-94	nice and the second ND
	MWP-9	BC	Aug-94	ND WELL STORY
	MWP-10	ВС	Aug-94	ND
	77-92-10	ВС	Aug-94	Bis(2-ethylhexyl)phthalate = 3
	61-92-12	ВС	Sep-94	Bis(2-ethylhexyl)phthalate = 2.2
	77-93-8	BC	Aug-94	ND ND
	77-94-5	ВС	Sep-94	ND
	77-94-6	BC	Sep-94	ND.

AEN = Analysis by American Environmental Network

BC = Analysis by BC Laboratories

CLS = Analysis by California Laboratory Services

(D) = Duplicate sample

ND = All target analytes not detected above reporting limit

Table C4.4-3

Polychlorinated Biphenyls (PCBs) Groundwater Monitoring Wells and Temporary Groundwater Sampling Points

(Concentrations in µg/L)

Area	Well No.	Lab	Date	PCBs (8080)			
Ground	dwater Monitoring Wells						
3	69A-92-22	BC	Apr-00	<0.2			
	75-96-20	BC	Nov-98	<0.2			
		BC	Apr-99*	<0.2			
	75-98-14	BC	Apr-99*	<0.2			
		_BC	Jul-99	<0.2 mm mm mm mm mm mm mm mm mm mm mm mm mm			
		BC	Nov-99	<0.2			
		BC	Feb-00	<0/2			
		BC	May-00	<0.2			
	75-98-15	BC	Apr-99	<0.2			
		BC	Nov-99	<0.2			
		BC	Feb-00	<0.2			
		-98-15 BC Apr-99 <0: BC Nov-99 <0: BC Feb-00 <0: BC May-00 <0: -99-4 BC Jul-99* <0: COL-99 <0:					
	75-99-4	BC	Jul-99*	<0.2			
		_BC	Oct-99	<0.2			
		BC	Nov-99	<0.2			
•		BC	Feb-00	<0.2†			
		BC	May-00	<0.2			
	75-99-6	BC	Jan-00	<0.2			
		BC	May-00	<0.2			
	75-99-7	BC	Dec-99	<0.2			
,		BC	Feb-00	<0.2†			
		BC	May-00	<0.2			
	75-99-8	BC	Jan-00	<0.2			
		BC	May-00	<0.2			

= Not detected above reporting limit (reporting limit shown)

BC = Analysis by BC Laboratories

^{* =} Grab sample

^{† -} Temperature of sample was out of acceptable range when received by the laboratory

Table C4.4-4
CONCENTRATION OF METALS IN GROUNDWATER

		_		Sb	As	Ва	Be	Cd	Cr	Cr6	Co	Cu	Pb	Hg	Мо	Ni	Se	Ag	TI	v	Zn
			MCL:	6	50	1000	4	5	50		NS	1000 (a)	15 (b)	2	NS	100	50	100 (a)	2	NS	5000 (a)
AREA	WELL NO.	LAB	DATE																		
3	MW91-3	LBNL	Nov-92	3 4	<5.6	140	<0.7	<6.6	4.1		<6.6	3.5	<6.2		<12.2	<8	<0.2	<0.9	<19	<6.7	<7.7
		LBNL	May-93	<10	<33.5	180	<4.5	<9	<7		<20.5	<5.5	<43.5	<0.1	<16.5	<61	<1	<12.5	<98.5	<24.5	<16.5
		BC	Mar-94	<100	<2	240	<10	<10	<10		<50	<10	<50	<0.2	<50	<50	<10	<10	<100	<10	<10
	MW91-4	LBNL	Dec-92	<2	<5.6	130	<0.7	<6.6	5.3		<6.6	4.6	<6.2		130	-8	<0.2	<0.9	<19	<6.7	<7.7
		LBNL	Jul-93	40	<33.5	260	<4.5	<9	<7		<20.5	<5.5	<43.5	<0.1	140	<61	<1	<12.5	<98.5	<24.5	<16.5
		BC	Mar-94	<100	4	300	<10	<10	<10		<50	<10	<50	<0.2	110	<50	<2	<10	<100	<10	<10
		BC	May-95	<4	4	259	<10	₹ 5	<10		<10	<10	<5	<0.2	100	<50	<2	<10	<5	<50	<50
		LBNL	Mar-96	<50	8.7	318	<5	<40	<50		<50	<50	<40	<0.2	145	<50	<1	<50	<50	<50	<20
		CLS	Jun-96				<0.5	<5									***	-	<1		
		LBNL	Jun-97	<4	4.8	158	<4	<5	<5		<5	<5	<5	<0,2	89	<50	<2	<5	<1	<5	<20
		BC	Jun-98										<u> </u>		120						
		LBNL	Jun-99												90.9						
	MW91-5	LBNL	Nov-92	29	<5.6	54	<0.7	<6.6	5.4		<6.6	6	<6.2		<12.2	<8	3.1	<0.9	<19	<6.7	151
		LBNL	Jun-93	<10	<33.5	65	<4.5	<9	<7		<20.5	8	<43.5	<0.1	<16.5	<61	3.6	<12.5	<98.5	<24.5	18
		BC	Mar-94	<100	<10	51	<10	<10	<10		<50	<10	<50	<0.2	<50	<50	<10	<10	<100	12	<10
ΙГ	MW91-6		Feb-92	<20	<20	36	<1	<5	<10		<5	<40	<20	<0.3	<10	20	<20	<5	<100	<5	8
		LBNL	Dec-92	<2	<5.6	25	<0.7	<6.6	4.8		<6.6	2.1	<6.2		<12.2	<u>-</u> 0	<0.2	<0.9	<19	<6.7	112
		LBNL	May-93	<10	<33.5	30	<4.5	<9	< 7		<20.5	<5.5	<43.5	<0.1	<16.5	<61	<1	<12.5	<98.5	<24.5	<16.5
		BC	Mar-94	<100	<10	44	<10	<10	<10		<50	<10	<50	<0.2	<50	<50	<10	<10	<100	<10	<10
Ī	69A-92-22	BC	Mar-94			70	elitarii peta		Marty (inc.		grediteit	Logrande (1945)		Min. e Tab	Arts day	55	41 A.E.	34 -			
			IVIAI-94	<100	<10	70	<10	<10	<10		<50	<10	<50	ે <0.2`	<50	<50	<10	<20	<100	<10	<10
	75-92-23	LBNL	Sep-92	<150	<60	<70	<10	<70	<10		<70	<10	<60		<120	<60	<0.2	<10	<190	<70	<10
		С	Sep-92	<20	<5	90	<1	650	10		<10	110	<10	<1	<5	<20	20	₹5	<10	<10	90
		LBNL	Nov-92	<2	<5.6	38	<0.7	<6.6	8.8		<6.6	4.2	<6.2		<12.2	<8	<0.2	<0.9	<19	<6.7	86
		С	Nov-92	<20	<5	40	<1	<1	<10		<10	<5	<10	<1	<5	<20	<10	<5	200	<10	6
		LBNL	Dec-92	<2	<5.6	<6.5	<0.7	<6.6	<0.4		<6.6	<0.2	<6.2	31	<12.2	<8	1.1	<0.9	<19	<6.7	<7.7
		LBNL	Jun-93	<10	<33.5	<25.5	<4.5	<9	<7		<20.5	<5.5	<43.5	<0.1	<16.5	<61	<1	<12.5	<98.5	<24.5	<16.5
		BC	Mar-94	<100	<10	23	<10	<10	<10		<50	<10	<50	<0.2	<50	<50	<10	<10	<100	17	<10

Table C4.4-4
CONCENTRATION OF METALS IN GROUNDWATER

				Sb	As	Ba	Be	Cd	Cr	Cr6	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Ti	٧	Zn
			MCL:	6	50	1000	4	5	50		NS	1000 (a)	15 (b)	2	NS	100	50	100 (a)	2	NS .	5000 (a)
AREA	WELL NO.	LAB	DATE						lor 10, 10 111 11	1	F :										
3	75B-92-24	С	Oct-92	<20	<5	28	1	<1	<10		<10	<5	<10	<1	20	<20	40	<5	<10	<10	6
		LBNL	Oct-92	<2	<5.6	<6.5	<0.7	<6.6	<0.4		<6.6	<0.2	<6.2		<12.2	<8	<2	<0.9	<19	<6.7	<7.7
		BC	Mar-94	<100		110	<10	<10	<10		<50	<10	<50	<0.2	<50	<50	<1	<20	<100	<10	<10
	75-96-20	BC	Mar-97	<4	<2	<100	<10	<10	<10		<50	<10	<5	<0.2	<50	<50	<2	<10	<1	<10	<50
		CLS	Mar-97	<500	<50	<500	<50	<100	<500		<500	<500	<500	<5	<500	<500	<50	<500	<50	<500	<500
		LBNL	Jun-97	<4	3.3	<50	<4	<5∷	<5		<5	8.1	<5	<0.2	58	<50	<2	<5	<1	<5	<20
		BC	Jun-97	<4	5.3	<100	<10	<10	<10		<50	<10	<5	<0.2	<50	<50	<2	<1.0	<1	<10	<50
		BC	May-98	<100	3.5	<100	<10	<10	<10		<50	<10	<5	<0.2	<50	<50	<2	<10	<1	<10	<50
		LBNL	May-99	<1	13.9	52.7	ેરા	<1	1.1		<1	<1	<1	<0.2	28.1	1.7	<2	<1	<1.	4.3	<5
	75-97-5	LBNL	Aug-98	~1	<2	182	<1	<1	<1		€1	2.2	<3	<0.2	4.8	<10	<2	<1	<1	2.7	6.9
		BC	Aug-98	<100	<2	222	<10	<10	<10		<50	<10	<5	<0.2	< 50	<50	<2	<10	<1	<10	<50
<u>[</u>		LBNL	May-99	ં <1	4.6	650	. e1	<1	2.1		1.0	× 1	<1	<0.2	3.2	5.9	<2	<1	<1	<1	7.4
	75-97-6	LBNL	Aug-97	<4	2.3	<50	<4	<5	<5		<5	<5	<5	<0.2	<50	<50	2.2	<5	· <1	< 5	<20
		BC	Aug-97	<100	3.1	<100	<10	<10	<10		<50	<10	<5	<0.2	<50	<50	2.1	<10	<1	<10	<50
		LBNL	May-98	<1	5.7	26.3	<1	<1	11.9		1.0	1.4	۲-	<0.2	6.8	<1	7.4	<1	<1	8.0	<5
		LBNL	May-99	<1	7.4	25.1	<1	<1	41		<1	2.1	্ব	<0.2	5.0	3.1	<2	· <1	<1	8.8	<5
	75-97-7	LBNL	Jul-97	· · <4	3.0	<50	<4	<5	<5		<5	<5	<5	<0.2	<50	<50	<2	<5	<5	<5	<20
		BC	Jul-97	<100	5.3	<100	<10	<10	<10		<50	<10	۸	ે <0.2	<50	<50	<2	<10	۲۷	<10	<50
		LBNL	May-98	<1	11.3	20.1	-<1	<1	8.0		<1	2.1	<1	∛ <0.2	8.2	3.5	13.9	<1	<1	3.3	<5
		LBNL	May-99	v 1	12.2	33.4	<1	<1	4		<1	<1	<1	<0.2	6.3	10.7	<2	<1	· <1 ·	<1	<5
	69-97-8	LBNL	Jul-98	<1	2.2	404	<1	<1	23.8		4.5	6.5	<1		3.2	25.9	<2	<1	<1	9.5	15.8
		BC	Jul-98	<100	2.1	442	<10	<10	<10		<50	14	<5	<0.2	<50	<50	<2	<10	<1	<10	<50
		LBNL	May-99	<1	3.9	553	21	// /	1.8		4.1	4.1	~ 1	<0.2	2.1	1.7	<2	× 1	<1	1.3	7.0
	69-97-21	LBNL	Маг-98	<1	20.7	40.8	1.3	<1	10.4		<1	3.7	9.2	<0.2	8.7	<1	145	~ 1	1.5	6.0	14.7
		ВС	Mar-98	<4	<2	<100	<10	<10	<10		<50	<10	<5	<0.2	<50	<50	160	<10	<1	<10	14
		LBNL	Apr-98	<1	9.6	38.2	<1	<1	6.6		<1	<1	3.2	<0.2	6.5	<1	45.6	<1	<1	6.7	6.6
		ВС	Jun-98	<100	4.2	<100	<10	<10	<10		<50	<10	<5	<0.2	<50	<50	72	<10	<10	<10	<10
		LBNL	May-99	<1	9,9	29.0	<1	<1	<1		<1	<1	<1	<0.2	5.8	2.0	46.8	<1	<1	5.7	<5

Table C4.4-4
CONCENTRATION OF METALS IN GROUNDWATER

			•	Sb	As	Ba	Be	Cd	Cr	C16	Co	Cu ,	Pb	Hg	Mo	Ni	Se	Ag	TI	ν	Zn
			MCL:	6	50	1000	4	5	50		NS		15 (b)	2	NS	100	50	100 (a)	2	NS	5000 (a)
AREA	WELL NO.	LAB	DATE		,	,															
3	75-98-14	LBNL	Jul-99	<1	12.1	20.5	<1	<1	9.1		<1	2,7	<1	<0.2	16.9	4.7	23.1	<1	<1	28.5	<5
		BC	Jul-99	<1	<50	<100	્રા	<1	<10		<50	<10	<5	<0.2	<50	<50	<100	<10	<1	20	<10
	75-98-15	LBNL	Mar-99	41	35.1	37.7	<1		5.0		<1	2.2	<1	<0.25	107	<1	2.7	<1	<1	10.9	7.0
		BC	Mar-99	<1	<50 ×	<100	<1	41	<10		<50	<1.0	<5	<0.2	102	<50	<100	<10	<1	13	<50
[75-99-4	LBNL	Oct-99	<1	34.9	12.5	:::::::::::::::::::::::::::::::::::::	.	3.4		<1	~ 1	<1	<0.2	162	1.0	4.6	<1	<1	65.4	<5
		BC	Oct-99	<4	32.0	<100	<0.2	<1	<10		<50	<10°	<5	0.27	150	<50	3.2	<10	<1 ·	49	<50
	75-99-6	LBNL	Feb-00	<2	17.7	3.5	~ 1	/ c2	6.3		c1	21	<1	<0.2	97.7	<1	7.1	<1	- <1 ·	14.4	<5
		BC	Feb-00	<4	20.0	<100	<0.2	v	<10		<50	<10	<5	<0.2	90	<10	6.6	<10	<1	10	<10
[75-99-7	LBNL	Dec-99	4	6.1	48.7	e i	\$245 (SE)	<5		~ 1	8.0	1.4	<0.2	5.3	4.5	<2	<1	<1	5.1	11.5
		BC	Dec-99	<4	2.2	<100	<0.2	<1.4	<10		<50	<10	<5	<0.2	<50	<50	<2	<10	<1	<10	<50
[75-99-8	LBNL	Feb-00	<1	52.0	<1	<1	<2	« 1		<1	~ 1	<1	<0.2	140	<1	2.4	<1	<1	26.2	<5
		BC	Feb-00	<4	57.0	<100	<0.2	<1	<10	•	<50	<10	<5	<0.2	140	<10	2.0	<10	<1	20.0	<50
4	MW76-1	С	Sep-92	<20	<5	100	<1	<1	<10		<10	<5	<10	<1	30	<20	-10		.40	40	34
1 1	14111111	LBNL	Dec-92	<2	<5.6	190	<0.7	<6.6	2.6		<6.6	2.8	<6.2	.*:.:<-!	<12.2	<20 <8	<10 <0.2	<5 <0.9	<10	<10 <6.7	117
		LBNL	May-93	<1.0	<33.5	220	<4.5	<9	<7		<20.5	<5.5	<43.5	<1	<16.5	<61	<1	<12.5	<98.5	<24.5	<16.5
		BC	Mar-94	<100		330	<10	<10	<10		<50	<10	<50	<0.2	. <50	<50	<1	<20	<100	<10	16
		BC	Jun-95	<4	<2	102	<10	<5	<10		<10	14	<5	<0.2	<10	<50	<2	<10	<5	<50	<50
		BC	Jun-95	<4	<2	260	<10	<5	<10		<10	<10	< 5	<0.2	<10	<50	<2	<10	<5	<50	<50
		AEN	Jun-95	<20	4	290	<2	<5	<10		<5	<10	<40	<0.2	<10	, <10	<4	<5	<50	<5	30
		AEN	Jun-95	<20	<2	290	<2	<5	<10		<5	<10	<40	<0.2	<10	<10	<4	× 5	<50	v 5	30
		LBNL	Jun-97	<4	<2	339	<4	<5	<5		<5	5.8	<5	<0.2	<50	<50	<2	<5	<1	<5	<20
		LBNL	Sep-98	્રા	2.1	355	<1	₹ 1	32.2		1.1	3.3	۲-	<0.2	1.1	7.9	<2	<1	<1	12.4	48
		LBNL	Sep-99						<1					•		5.4			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	····	
	76-92-25	LBNL	Dec-92	<2	<5.6	<6.5	<0.7	<6.6	<0.4		<6.6	<0.2	<6.2		<12.2	<b< td=""><td>3.1</td><td><0.9</td><td><19</td><td><6.7</td><td><7.7</td></b<>	3.1	<0.9	<19	<6.7	<7.7
		LBNL	Jun-93	<10	<33.5	<25.5	<4.5	<9	<7		<20.5	<5.5	<43.5	<0.1	90	<61	1.7	<12.5	<98.5	<24.5	<16.5
[BC	Mar-94	<100	17	<10	<10	<10	<10		<50	<10	<50	<0.2	70	<50	<2	<20	<100	<10	<10
	76-93-6	BC	Oct-93	<100	10	<100	<10	<5	<10		<10	<10	<5	<0.2	36	<50	<2	<10	<5	<50	<50
		AEN	Oct-93	<20	11	90	<2	<5	<10		<5	<10	<40	<0.3	30	<10	<4	<5	<100	9	<5
		BC	Маг-94	<100	12	70	<10	<10	<10		<50	<10	<50	<0.2	<50	<50	<2	<20	<100	<10	<10

ModuleC Water Metals 8/18/00

Table C4.4-4 CONCENTRATION OF METALS IN GROUNDWATER

				Sb	As	Ba	Be	Cd	Cr	Cr6	Co	Cu	Pb	Hg	Мо	Ni	Se	Ag	TI	v	Zn
			MCL:	6	50	1000	4	5	50	0.0	NS	1000 (a)		2	NS	100		100 (a)	2		5000 (a)
AREA	WELL NO.	LAB	DATE								· · · · · · · · · · · · · · · · · · ·					,		(-)			10000 (4)
4	76-93-6	BC	Jun-95	:	68	<10	<10	<5	<10		<10	<10	<5	<0.2	18	<50	<2	<10	<5	<50	<50
		BC	Feb-96	<4	12	<100	<10	<10	<10		<50	<10	<5	<0.2	<50	<50	<2	<10	<5	<10	<50
		LBNL	Feb-96	<50	7.7	<50	<5	<40	<50		<50	<50	<40	: <0.2	<50	<50	<1	<50	<50	<50	<20
		CLS	Jun-96				<0.5	<5											<1		
		LBNL	May-97		8.4																
		LBNL	Aug-98		9.8																
[76-93-7	ВС	Jan-94	<100	24	<100	<10	<5	<10		<10	<10	<5	<0.2	57	<50	4.6	.40			
		AEN	Jan-94	<20	27	80	<2		<10		<5	<10	<40	<0.2	70	<10	<4	<10	<5	<50	<10
		BC	Jun-95	<4	15	<100	<1.0	: <5	<10		<10	<10	<5	<0.2	33	<50	3.6	<5	<100	11	10
		LBNL	Feb-96	<50	9.1	<50	<5	<40	<50		<50	<50	<40	<0.2	<50	<50	<1	<10 <50	<5 <50	<50	<50
		CLS	Jun-96				<0.5	. < 5						10.2	430	- 100		230	<1	<50	<20
		LBNL	Jun-97		11.4														<u> </u>		
		LBNL	May-99		13.0																
	78-97-20	LBNL	Oct-97	De North		45.0					्द्र उर										
	70-87-20	BC	Oct-97	<1	<2	45.8	<1	<u>ং ।</u>	. <5		<5	3.3	. · <1	<0.2	<5	<5	11.4	<1	<1	5.5	<5
		LBNL	May-98	<100	<2	<100 100	<10	<10	<10		<50	<10	<5	<0,2	<50	<50	13	<10	<1	<10	<50
		LBNL	May-99	<1 <1	4.1 2.5	106 105	<1	<1	2.7		<1	1.6	<1	<0.2	3.1	2.3	16.5	<1	<1	4.7	<5
		1	· · ·	Statement garages	2.5	105	ં <ો ં	<1	# <1 ·		<1	€ ~<1`~-	<1	<0.2	2.7	1.8	<2	<1	<1	4.3	<5
	76-98-21	LBNL	Jul-99	<1	5.1	12.9	∞<1	<1 (6.6		5.7	2.8	1.2	<0.2	5.1	4.4	<2	<1	<1	8.6	8.9
		BC	Jul-99	<1	<50	<100	<1	_ <1	<10		<50	<10	<5	<0.2	<50	<50	<100	<10	<1	<10	12
	76-98-22	LBNL	Jan-99	1 1≥1	4.7	220	<1	<1	5.1		9.3	4.6	<1	<0.2	77.4	4.2	5.3	<1	<1	6.3	8.8
		BC	Jan-99	<1	<50	120	<1	<1	v 10		<50	<10	<5	<0.2	<50	<50	<100	<10	<1	<10	<50
5	MW91-1	LBNL	Nov-92	12	<5.6	53	<0.7	<6.6	3		<6.6	2	<6.2		66						
		LBNL	May-93	<10	<33.5	50	<4.5	<9	<7		<20.5	<5.5	<43.5	<0.1		<8	<0.2	<0.9	<19	<6.7	120
		BC	Mar-94	<100	8	50	<10	<10	<10		<50	<10 <10	<50	<0.1	<16.5 <50	<61 <50	<1 <2	<12.5	<98.5	<24.5	<16.5
		BC	May-95	<4	9.4	<100	<10	<5	<10		<10	<10	<5	<0.2	34	<50	3.6	<20 <10	<100	<10	<10
		LBNL	Mar-96	<50	2.7	<50	<5	<40	<50		<50	<50	<40	<0.2	<50	<50	<1	<50	<5 <50	<50 <50	<50 <20
		as	Jun-96				<0.5	<5	ST PSIJER						755			130	<1	<u> </u>	220
		LBNL	Jun-97	<4	6.0	56	<4	<5	<5		<5	5.1	<5	<0.2	<50	<50	<2	<5	<1	<5	99
		LBNL	May-98	21	10.5	24.2	<1	<1	2.6		1.3	3.2	<1	<0.2	15.5	2.5	4.7	<1	<1	3.1	12.1
		,		and a second second second											, ,			~ .	. ~ !		

Table C4.4-4
CONCENTRATION OF METALS IN GROUNDWATER

				Sb	As	Ba	Be	Cd	Cr	Cr6	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	TI	V	Zn
			MCL:	6	50	1000	4	5	50		NS	1000 (a)		2	NS	100	50	100 (a)			5000 (a)
AREA	WELL NO.	LAB	DATE	<u> </u>																	3-7
5	MW91-2	LBNL	Dec-92	<2	<5.6	327	<0.7	<6.6	3.7		<6.6	3.3	<6.2		<12.2	<8	<0.2	<0.9	<19	<6.7	125
		LBNL	Jun-93	<10	<33.5	420	<4.5	√9	<7		<20.5	<5.5	<43.5	<0.1	<16.5	<61	<1	<12.5	<98.5	<24.5	<16.5
		BC	Mar-94	<100	<2	330	<10	<10	<10		<50	<10	<50	<0.2	<50	<50	<2	<20	<100	<10	20
	MWP-9	LBNL	Nov-92	30	<5.6	72	<0.7	<6.6	5.3		<6.6	64	<6.2		<12.2	<8	1.9	<0.9	<19	<6.7	
	•	LBNL	May-93	<10	<33.5	90	<4.5	<9	<7		<20.5	<5.5	<43.5	<0.1	<16.5	<61	<1	<12.5	<98.5	<24.5	<7.7
		BC	Mar-94	<100	1	110	<10	<10	<10		<50	<10	<50	<0.2	<50	<50	<1	<20	<100	<10	<16.5 <10
		BC	May-95	<4	<2	102	<10	<5	<10		<10	<10	< 5	<0.2	<10	<50	<2	<10	<5	<50	<50
		LBNL	Feb-96	<50	<2	<50	<5	<40	<50		<50	<50	<40	<0.2	<50	<50	<1	<50	<50	<50	<20
		cls	May-96				<0.5	<5											<1	- 230	- 20
		LBNL	May-97	<4	<2	184	<4	<5.	ं<5		< 5	<5	<5	<0.2	<50	<50	<2	<5	<1	<5	<20
	MWP-10	LBNL	Nov-92	40	<5.6	29	<0.7	<6.6	<0.4		<6.6	3.3	<6.2		400						·
		LBNL	May-93	<10	<33.5	20	<4.5	<9	<7		<20.5	<5.5	<43.5	<0.1	<12.2 <16.5	<8	_<0.2	<0.9	<19	<6.7	<7.7
		BC	Mar-94	<100	<10	22	<10	<10	<10		<50	<10	<50	<0.2	<50	<61 <50	<1	<12.5	<98.5	<24.5	<16.5
		BC	May-95	<4	7.8	<100	<10	~ 5	<10		<10	<10	<5	<0.2	<10	<50 <50	<10 <2	<10	<100	<10	<10
		LBNL	Feb-96	<50	<2 ×2	<50	. < 5	<40	< 5 0		<50	<50	<40	<0.2	<50	<50 <50	<1	<10	<5	<50	<10
		cls	May-96				<0.5	<5						. 40.2		<50	<u> </u>	<50	<50	<50	<20
		LBNL	May-97	<4	3.9	<50	<4	<5.	< 5		<5	<5	<5	<0.2	<50	<50	<2	<5	<1 <1		
	77-92-10	LBNL	Jan-93	<10		100	14 15 15	SAMEAN.	-3 -07 - 3		The second	ential reserva	86.1 5 7 1			730		45	< 1	<5	<20
	77-32-10	LBNL	Jun-93	<10	<33.5	120 31	<4.5 <4.5	<9	<7.		<20.5	<5.5	<43.5	si .	280	<61.	4.6	<12.5	<98.5	<24.5	<16.5
		BC	Mar-94	<100	<33.5 3.8	60	Ayrosan kasa	<9	<7		<20.5	<5.5	<43.5	<0.1	<16.5	<61	4.4	<12.5	<98.5	<24.5	<16.5
		BC	May-95	<4	35	eg pilosieránas	<10	<10 -	<10		<50	<10	<50	<0.2	240	<50	5	<20	<100	20	<10
		LBNL	Mar-96	<50	49.3	<100 68	<10	<5	<10		<10	<10	<5	<0.2	230	<50	8	<10	<5	<50	<50
		CLS	Jun-96		73.0	- 00	<5 <0.5	<40 <5	<50		<50	<50	<40	<0.2	250	<50	<1	<50	<50	<50	<20
		LBNL	May-97	<4	6.9	<50	<4	<5	<5		<5	<5	9 2 <u>2</u> 8		000				<1		
		LBNL	Aug-98		30	~30				-	<5	<5	<5	<0.2	292	<50	6.9	<5	<1	<5	<20
		LBNL	Aug-99		31.1										240 210						
Ī	61-00-10	I DAII			21 Jan 200			Se signe of	t		! 			1	210	L					
	61-92-12	LBNL	Jan-93	<10	<33.5	41	<4.5	<9	<7		<20.5	<5.5	<43.5		<16.5	<61	1.6	<12.5	<98.5	<24.5	<16.5
		BC	Jun-93 Mar-94	<10	<33.5 5 2	50	<4.5	<9	<7		<20.5	<5.5	<43.5	<0.1	<16.5	<61	3.6	<12.5	<98.5	<24.5	<16.5
	•	BC		<100		20	<10	<10	<10		<50	<10	<50	<0.2	140	<50	<10	<20	<100	20	<10
L		ir	Jun-95	<4	23	<100	<10	<5	<10		<10	<10	<5	<0.2	210	<50	<2	<10	<5	<50	<50

Table C4.4-4 CONCENTRATION OF METALS IN GROUNDWATER

		_		Sb	As	Ba	Be	Cd	Cr	Cr6	Со	Cu	Pb	Hg	Мо	Ni	Se	Ag	TI	V	Zn
			MCL:	6	50	1000	4	5	50		NS	1000 (a)	15 (b)	2	NS	100	50	100 (a)	2	NS	5000 (a)
AREA	WELL NO.	LAB	DATE				Lusgataka	tare de director i		1											
5	61-92-12	cls	Jun-96				<0.5	<5											<1		
		LBNL	Jun-97	<4	10.3	<50	<4	<5	<5		<5	18.7	<5	<0.2	230	<50	<2	<5	<1	<5	34
		LBNL	May-99		11.7						<u> </u>				130						
	77-93-8	BC	Oct-93	<100	<2	<100	<10	<5	<10		<10	<10	<5	<0.2	<10	<50	<2	<10	<5	<50	<50
		AEN	Oct-93	<20	3	70	<2	<5	<10		<5	<10	<40	<0.3	<10	<10	<4	· <5	<100	<5	<5
		BC	Mar-94	<100	<2	70	<10	<10	<10		<50	<10	<50	<0.2	<50	<50	<2	<20	<100	<10	<10
	77-94-5	AEN	Jun-94	<20	16	330	<2	<5	<10		<5	<10	<40	<0.2	290	<10	89	<5	<100	5	20
		BC	Jun-94	<100	14	150	<10	<10	<10		<50	<10	<50	<0.2	290	<50	94	<10	<100	10	<10
		BC	May-95	<4	9.2	<100	<10	<5	<10		<10	<10	<5	<0.2	140	<50	15	<10	<5	<50	<50
		AEN	May-95	<20	15	30	<2	<5	<10		<5	<10	<40	<0.2	150	<10	13	<5	<50	10	<10
		LBNL	Mar-96	<50	4.1	<50	<5	<40′	<50		<50	<50	<40	<0.2	145	<50	<1	<50	<50	<50	<20
		CLS	Jun-96				<0.5	<5											<1		
		LBNL	May-97	<4	7.6	88	<4	<5	<5		<5	<5	<5	<0.2	106	<50	2.4	<5	<1	<5	<20
		LBNL	May-98		14.2						ļ				191						
[LBNL	May-99		11.2						ļ.,				137						
	77-94-6	AEN	Jun-94	<20	3	100	<2	<5	<10		<5	<10	<40	<0.2	<10	10	<4	<5	<100	5	<10
		BC	Jun-94	<100	<2	170	<10	<10	<10		<50	<10	<50	<0.2	<50	<50	<2	<10	<100	10	<10
		BC	May-95	<4	-2	110	<10	<5	<10		40	<10	\ 5	<0.2	<10	<50	<2	<10	· <5	<50	<50
		LBNL	Mar-96	<50	<2	64	<5	<40	<50		<50	<50	<40	<0.2	<50	<50	<1	<50	<50	<50	<20
		CLS	Jun-96				<0.5	<5			<u> </u>								<1		
	77-97-9	LBNL	Aug-97	<4	<2	526	6.7	<5	<5		<5	<5	<5	√<0.2	<50	<50	<2	<5	<1	5.5	<20
	-	BC	Aug-97	<100	3.6	440	<10	<10	<10		<50	<10	<5	<0.2	<50	:.< 5 0	<2	<10	<1°	<10	<50
:		LBNL	May-98	<1	3.9	401	<1	<1	5.0		<1	3.1	<1	<0.2	11.5	<1	<2	<1	<1	5.0	6.0
		LBNL	May-99	<1	3.9	445	<1	<1	1.0		<1	2.7	<1	<0.2	9.9	3.6	<2	< 1	<1	4.9	5.7
	77-97-11	LBNL	Jul-97	<4	<2	<50	<4	<5	<5		<5	<5	<5	<0.2	<50	<50	<2	<5	<5	<5	<20
		ВС	Jul-97	<100	<2	<100	<10	<10	<10		<50	<10	<5	<0.2	· <50	<50	<2	<10	<1	<10	<50
		LBNL	May-98	<1	4.6	42.8	<1	<1	4.4		1.0	4.5	<1	<0.2	12.6	7.0	<2	<1	<1	3.8	14.5
		LBNL	May-99	<1	3.6	41.5	<1	<1	2.1		<1	2.6	<1	<0.2	7.4	7.4	<2	<1	<1	2.0	6.9

Table C4.4-4 CONCENTRATION OF METALS IN GROUNDWATER

(Concentrations in µg/L)

				Sb	As	Ba	Be	Cd	Cr	Cr6	Со	Cu	Pb	Hg	Мо	Ni	Se	Ag	TI	V	Zn
		I	MCL:	6	50	1000	4	5	50		NS	1000 (a)	15 (b)	2	NS	100	50	100 (a)	2	NS	5000 (a)
AREA	WELL NO.	LAB	DATE																		
5	31-97-17	LBNL	Oct-97	<1	8.3	227	<1	<1	<5		<5	<1	<1	<0.2	<5	6.0	3.3	<1	<1	4.9	<5
		BC	Oct-97	<4	5.9	288	<10	<10	<10		<50	<10	<5	<0.2	<50	<50	: <2	<10	. <1	<10	<50
		LBNL	May-98	<1	2.9	272	<1	<1	2.6		<1	1.1	<1	<0.2	1.4	<1	7.2	<1	<1	5.6	<5
		LBNL	May-99	ব	3.4	369	<1	<1	<1		<1	1.6	<1	<0.2	1.2	5.7	<2	<1	<1	10.2	<5
	31-97-18	LBNL	Oct-97	<1	6.6	88.6	<1	<1	<5		<5	<1	<1	<0.2	6.2	<5	<2	<1	<1	4.0	<5
		BC	Oct-97	<4	4.3	100	<10	<10	<10		<50	<10	<5	<0.2	<50	<50	<2	<10	<1	<10	<50
		LBNL	May-98	<1	4.9	86.1	<1	<1	1.2		<1	<1	<1	<0.2	6.7	<1	11	<1	<1	2.2	<5
		LBNL	Apr-99	<1	3.4	145	<1	<1	1.5		<1	1.1	<1	<0.2	4.4	<1	<2	<1	<1	2.8	<5
	31-98-17	LBNL	Jul-99	ব	11.2	90.7	<1	<1	7.0		<1	3.0	<1	<0.2	10.7	2.3	<2	<1	<1	11.2	<5
		BC	Jul-99	<1	16	130	<1	<1	<10		<50	<10	<5	<0.2	<50	<50	<2	<10	<1	<10	<50

MCL: Maximum contaminant level for drinking water (determined by California DTSC)

40

(a): secondary MCL

(b): action level

NS: Not Specified

* = Grab sample

= not detected

= concentration above MCL

= not analyzed

AEN = Analysis by American Environmental Network

BC = Analysis by BC Analytical laboratory

C = Analysis by Chromalab

CLS = Analysis by California Laboratory Services

LBNL = Analysis by Lawrence Berkeley National Laboratory

Q = Analysis by Quanteq

Table C4.5-1 Surface Water Sampling Results Concentrations of Organic Constituents

(Concentrations in µg/L)

			VOCs	SVOCs
Location	Date	Lab	8260	625
Chicken Creek	Jan-93	LBNL	ND	
	Aug-93	LBNL	ND ND	
		С		ND
	Mar-94	LBNL	ND	
	Jul-94	LBNL	ND (1997)	
	Jan-95	BC	ND	
	Jul-95	LBNL	ND	
	Jan-96	LBNL	ND	
	Apr-96#	LBNL	ND	
	Apr-97	LBNL	ND	
	Jan-98	LBNL	ND	
	Apr-99	LBNL	ND	
	Jan-00	LBNL	ND	
No Name Creek	Mar-94	LBNL	ND	
	Jul-94	BC	ND	
	Jan-95	BC	ND	
	Jul-95	LBNL	ND	71
	Jan-96	LBNL	ND	,
	Apr-96#	LBNL	ND	
	Apr-97	LBNL	ND).
	Jan-98	LBNL	ND	*
	Apr-99	LBNL	ND	
	Jan-00	LBNL	ND ND	
Ten Inch Creek	Jul-95	LBNL	ND	
	Apr-96#	LBNL	ND made and the second	
	Jan-98	LBNL	ND	
	Apr-99	LBNL	ND ND	
	Jan-00	LBNL	ND	

ND	= Not detected above reporting limit (reporting limit varies with analyte)
	= Not analyzed

^{# -} All April 1996 creek samples missed holding times for 8260 analysis

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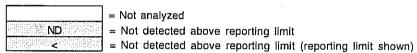
Table C4.5-2 Sediment Sampling Results (mg/kg) Concentrations of Organic Constituents

				VOCs	SVOCs	TPH-Diesel	TPH-Gas	PAH	PCBs	Pesticides & PCBs
Location	Sample ID	Date	Lab	8260	8270	3550	5030	8310	8080	8080
Chicken Creek	SSCH-1A/2A-0.2	Apr-93	α	ND*	ND	63**	<0.2			
	SS-Chick-96-1A-0	Aug-96	ВС	ND	ND					
	SS-Chick-96-2A-0			ND	ND					
	SS-Chick-96-3A-0			ND	ND		a			
	SS-Chick-96-4A-0]		p-isopropyltoluene=0.0058	ND					
	SS-Chick-96-5A-0			ND	ND					
	SS-Ckn-98-1-0.0	Jan-98	BC					ND	<0.02	
	SS-Ckn-98-2-0.0							Benzo(a)pyrene=0.075 Chrysene=0.028	<0.02	
	SS-Ckn-98-2A-0.0	Feb-98						ND	PCB 1254=0.014	
	SS-Ckn-98-3-0.0	Jan-98		•				ND	<0.02	
	SS-Ckn-98-4-0.0	Feb-98						ND	<0.01	
	SS-Ckn-98-5-0	Jun-98	BC							<0.003^
	SS-Ckn-98-6-0				-			Lini		<0.003^
	SS-Ckn-98-7-0									<0.003^
No Name Creek	SS-Noname-96-1A-0.0	Aug-96	ВС		ND	in the second				
	SS-Noname-96-2A-0.0				ND					
	SS-Noname-98-1-0.0	Jan-98	BC						<0.02	
	SS-Noname-98-2-0.0								<0.02	
Ten Inch Creek	SS-Ten In-96-1A-0	Aug-96	BC		ND					
	SS-Ten In-96-2A-0				ND					
	SS-Ten In-96-3A-0				ND					
	SS-Ten In-96-4A-0	_			ND					
	SS-Ten In-96-5A-0				ND					
Building 75/69 Storm drain	SS75E-1A-0	Арг-93	P/C	ND*	Fluoranthene=0.85 Phenanthrene=0.78 Pyrene=0.88	260^^			PCB 1254=0.5	

BC = Analysis by BC Laboratories

Q = Analysis by Quanteq

P/C = Analysis by Precision Lab, and Chromalab



^{^ - 8080} analysis only included Aldrin, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, and Dieldrin

^{* =} Analyzed by EPA Method 8240

^{** =} Oil detected

M = Analyzed for total extractable petroleum hydrocarbons, reported as motor oil.

Table C4.5-3 Surface Water Sampling Results Metals

(Concentrations in µg/L)

			Sb	As	Ba	Be	Cd	Cr	Cr6	Co	Cu	Pb	Hg	Мо	Ni	Se	Ag	TI	٧	Zn
		MCL:	6	50	1000	4	5	50		NS	1000 (a)	15 (b)	2	NS	100	50	100 (a)	2	NS	5000 (a)
LOCATION	LAB	DATE																		
Chicken Creek	С	Aug-93	<20	<5	72	<1	<1	<10		<10	6.0	<10	٧1	5 V	<20	<10	<5	<10	<10	<5
	BC	Jul-94	<100	3.0	<100	<10	<5	<10		<10	<10	<5	<0.20	<10	<50	<2	<10	<5	<50	<50
	BC	Aug-95	<4	<2	110	<10	<5	<10		<10	<10	41	<0.20	<10	<50	<2	<10	<5	<50	<10
	BC	Jan-96	<4	4.0	<100	<10	<10	<10		<50	<10	<5	<0.20	<50	<50	<2	<10	<5	<10	<50
			<4	4.2	<100	<10	<10	<10		<50	<10	<5	<0.20	<50	<50	<2	<10	<5	<10	65
	LBNL	Apr-96	<50	3.4	<50	<5	<40	<50		<50	<50	<40	<0.20	<50	<50	<1	<50	<50	<50	22
	LBNL	Apr-97	. <4	2.6	118	<4	<5	<5		<5	<5	<5	<0.20	<50	<50	2.6	<5	<1	<50	<20
	LBNL	Jan-98	<1	<2	55.8	SI	<1	<5		<5	4.2	<1	<0.10	ं.<5	<5	<2	<1	<1	3.7	18.9
	LBNL	Apr-99	<1	3.4	109	<1	<1	8.9		<1	3.4	<1	<0.25	1.6	1.6	7.6	<1	<1	23.1	16.4
	LBNL	Jan-00	<1	<2	68.9	<1	₹1	1.6		<1	2.9	<1	<0.20	1.5	<1	<2	<1'	: <1	21.6	11.9
No Name Creek	BC	Jul-94	.<100°	3.0	120	<10	<5	<10		<10	10	8	<0.20	<10	<50	<2	<10	<5	<50	<50
	BC	Aug-95	<4	<2	<100	<10	<5	<10		<10	<10	<5	<0.20	<10	<50	<2	<10	<5	<50	<10
	BC	Jan-96	<4	3.0	<100	<10	<10	<10		<50	<10	<5	<0.20	<50	<50	<2	<10	<5	<10	<50
	LBNL	Apr-96	<50	2.9	<50	<5	<40	<50		<50	<50	<40	<0.20	<50	<50	<1	<50	<50	<50	<20
	LBNL	Apr-97	<4	3.2	99	<4	<5	5.9		<5	<5	<5	<0.20	<50	<50	<2	<5	<1	<5	<20
	LBNL	Jan-98	<1	3.4	51.2	<1	7	<5		<5	4.2	<1	<0.10	<5	<5	12.3	<1	<1	4.2	<5
	LBNL	Apr-99	. <1	2.4	109	51 7	₹1	7.4		<1.	1,1	< 1	<0.25	1.2	1.8	5.0	<1	<1	6.1	<5
	LBNL	Jan-00	<1	<2	80.1	<1	<1	<1		<1	<1	< 1	<0.20	1.8	<1	<2	<1	<1	3.8	<5
Ten Inch Creek	BC	Aug-95	<4	<2	110	<10	<5.	<10		<10	<10	5. <5	<0.20	<10	<50	<2	<10.	<5	<50	66
	LBNL	Apr-96	<50	<2	≟ < 50≅	< 5	<40	<50 ∜		<50	<50	<40	å<0.20	<50	<50	<1	<50	<50	<50	<20
	LBNL	Jan-98	<1	<2	41.3	<1	1 5	<5		<5.	2.3	<1	<0.10	<5	<5	<2	<1	<1	1.4	7.7
	LBNL	Apr-99	::<1::<	<2	88.6	<1	41	8.1		<1	1.9	<1	g<0.25	<1	1.3	5.3	V	<1	2.9	<5
	LBNL	Jan-00	<1	<2	61.2	₹1	<1	<1		1	4.3	<1	<0,20	<1	1.5	<2	c۱	<1	1.8	<5

MCL: Maximum contaminant level for drinking water (determined by California DTSC)

BC = Analysis by BC Laboratories

C = Analysis by Chromalab

LBNL: Analysis by Lawrence Berkeley National Laboratory

= Not detected above quantitation limit = Not analyzed

(a): secondary MCL (b): action level

NS: Not Specified

Table C4.5-4

Sediment Sampling Results

Metals

(Concentrations in mg/kg)

Location	Sample ID	Date	Lab	Sb	As	Ва	Ве	Cd	Ċr	Cr6	Co	Cu	Pb	Hg	Мо	Ni	Se	Ag	TI	v	Zn
Chicken Creek	SSCH-1/2A-0.2	Apr-93	α	<2	2	83	<0.2	0.5	45		9.1	34	35	0.2	<0.6	43	<2	0.5	<3	28	150
	SS-Chick-96-1A-0	Aug-96	BC	<10	2.5	71	Ţ	4 1	47		11	22	9.3	<0.2	<5	42	1.2	<2	<10	46	94
	SS-Chick-96-2A-0			<10	3.6	145	,	<1	44		19	19	14	<0.2	<5	59	1.2	<2	<10	48	97
	SS-Chick-96-3A-0			<10	3.1	84	V	<1	30		12	22	15	0.21	. < 5	37	<1	<2	<10	41	114
	SS-Chick-96-4A-0	_		<10	5.7	134	17	2.2	58		14	69	38	<0.2	< 5	55	1.5	47.32-1V	<10	49	257
	SS-Chick-96-5A-0			<10	5.0	116	«1	1.4	52		14	35	58	<0.2	. 54, 5 . / 15. 1	54	1.2	<2	<10	58	149
No Name Creek	SS-Noname-96-1A-0.0	Aug-96	BC	<10	9.3	212	V	<1	36		13	66	19	<0.2	<5	43	2.4	<2	<10	51	78
	SS-Noname-96-2A-0.0			÷10	9.9	199			30		19	31	24	<0.2	<5	47	2.2	<2	<10	37	86
Ten Inch Creek	SS-Ten In-96-1A-0	Aug-96	BC	<10	5.1	103	4 1	<1.	41		10	37	22	<0.2	<5	37	1.5	<2	<10	38	81
	SS-Ten In-96-2A-0			<10	8.0	131	" <1	<1	41		10	38	44	<0.2	<5	41	1.5	<2	<10	43	89
	SS-Ten In-96-3A-0			<10	8.0	156		4	35		13	37	31	<0.2	<5	43	1.6	<2	<10	44	92
	SS-Ten In-96-4A-0	_		<10	9.3	154	V	<1	37		11	37	39	<0.2	<5	42	1.9	<2	<10	41	93
	SS-Ten In-96-5A-0			<10	7.9	119	7	<1	32		8.5	35	23	<0.2	<5	33	1.3	<2	<10	37	78
Building 75/69 Stormdrain	SS75E-1A-0†	Apr-93	С	# *	<0.25	63	0.2	3.0	40		8.6	66	160	0.46	3.1	39	2.5	<0:25	<2	23	530

BC = Analysis by BC Laboratories Q = Analysis by Quanteq



= Not detected above reporting limit

= Not analyzed